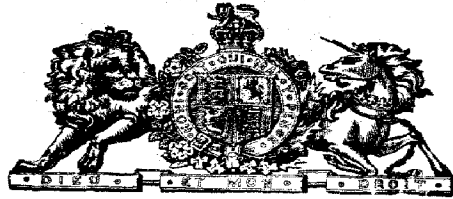


No. 167.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1894.

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U.S. Dept. of Commerce

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.
												Direction from, and miles per hour.					
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.			
	In.	In.	°	°	°	°	°	°	°								
1	30.106	30.046	68.9	76.4	80.3	67.2	13.1	66.2	65.9	91	70	N	4	S	3	Var.	3
2	.043	29.988	67.2	83.4	84.5	65.3	19.2	65.6	67.0	95	58	N	3	S	3	S.	3
3	.009	.949	68.4	83.4	84.5	67.3	17.2	62.7	67.3	81	58	N	5	S	5	Var.	4
4	.048	.987	67.0	85.5	88.0	65.8	22.2	59.6	65.3	77	51	N	2	SW	4	Var.	3
5	.069	30.015	67.6	80.6	85.6	65.7	19.9	62.8	70.7	85	72	N	2	SE	9	SE	3
6	.072	.001	68.2	86.6	88.3	66.0	22.3	63.0	67.3	84	58	N	1	S	4	SW	3
7	.065	.015	67.9	81.5	84.5	66.8	17.7	62.1	69.6	82	67	Z	0	S	4	SSE	3
8	.065	29.996	65.9	84.2	86.7	64.8	21.9	59.6	68.0	80	53	Z	0	S	5	S	3
9	.056	.996	70.5	88.2	86.9	69.7	17.2	66.8	66.5	88	57	N	2	SE	11	SE	4
10	.030	30.019	70.9	83.5	85.8	70.5	15.3	64.7	70.1	81	64	Z	0	SSE	6	SE	3
11	.050	.018	69.4	78.3	85.0	67.8	17.2	65.8	70.1	83	76	Z	0	SE	7	SSE	3
12	.064	29.991	70.2	82.2	84.7	67.2	17.5	65.2	67.6	84	61	N	3	S	3	Var.	3
13	.047	.996	70.6	82.4	85.1	69.6	15.6	66.7	67.7	87	61	Z	0	S	4	Var.	2
14	.057	.999	67.1	84.3	85.8	65.2	20.6	63.5	68.2	87	59	Z	0	S	5	S	2
15	.051	.977	69.7	79.4	81.6	66.8	14.8	66.0	69.4	88	72	Z	0	N	3	Var.	2
16	.041	.976	68.2	79.3	84.5	66.8	17.7	63.2	69.9	84	73	N	1	SE	9	SE	3
17	.020	.979	68.4	79.4	84.5	67.0	17.5	64.7	69.9	88	73	N	1	SE	8	SSE	3
18	.020	.965	67.9	83.1	85.3	66.7	18.6	62.2	67.2	82	59	N	1	SW	4	Var.	2
19	.030	.951	68.7	82.6	85.6	64.3	19.3	61.1	65.6	77	57	Z	0	S	2	S	2
20	.019	.958	66.5	81.6	82.9	64.7	18.2	60.0	64.4	80	56	N	1	S	4	S	3
21	.018	.979	67.3	78.7	80.3	66.1	14.2	60.8	65.4	79	64	N	2	Z	2	Var.	2
22	.017	.970	67.9	84.6	85.8	66.4	19.4	61.6	66.5	80	55	N	3	SW	4	S	3
23	.080	30.003	67.9	81.5	84.3	66.8	17.5	64.3	68.3	86	64	Z	0	SSE	7	SSE	2
24	.088	.002	68.0	83.2	86.5	67.8	18.7	63.0	66.2	84	57	N	2	SE	11	SE	4
25	.083	29.995	69.9	83.3	85.8	69.6	16.2	65.6	71.5	86	67	N	3	SE	10	SE	4
26	.037	.955	69.4	82.4	84.4	66.2	18.2	63.2	69.0	81	64	N	2	SE	7	Var.	3
27	.031	.975	67.4	81.4	84.5	66.3	17.7	61.0	66.1	80	60	N	3	SE	10	SE	4
28	.019	.965	66.2	79.4	84.9	64.8	20.1	62.0	62.5	86	56	N	0	SE	12	SE	4
29	.039	.976	71.3	84.2	86.5	65.6	20.9	61.5	69.4	71	61	Z	3	SE	9	SE	5
30	.115	30.017	68.9	87.7	89.0	65.1	23.9	64.5	65.6	86	48	Z	0	S	5	Var.	2
31	.108	.060	72.2	74.6	79.1	66.9	12.2	65.2	71.0	79	89	Z	0	N	2	Var.	2
Mean.	30.053	29.990	68.6	82.0	84.8	66.7	18.1	63.4	67.7	84	62	N	1.4	SSE	5.9	SSE	2.9

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[Jan.-Oct.]

National Oceanic and Atmospheric Administration

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March 28, 2002

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

Date.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	10 Cum. s. & Cum. Nim.	Ins. 0.04	Cloudy. Rain 4 to 4.15 p.m.
2	1 Cum. s.	E 0.00	Fine a.m. Fair p.m.
3	8 Cum. & Cum. s.	E 0.00	Fine.
4	1 Cum. s.	E 0.00	Fine.
5	2 Cum. s.	E 0.00	Fine.
6	2 Cum. s.	E 0.00	Fine.
7	8 Cum. s.	E 0.00	Fine a.m. Fair p.m.
8	1 Cum. s.	E 0.00	Fine.
9	1 Cum. s.	E 0.00	Distant lightning early morning. Fine p.m.
10	...	1 Cir. c.	9 Cum. s.	E 5 Str.	E 0.00	Fair.
11	8 Cum. s.	E 0.00	Fine a.m. Cloudy p.m.
12	8 Cir. c.	...	...	10 Cum. s.	E 0.00	Fine.
13	2 Cir. s.	8 Cir. s.	W 8 Cum. s.	2 Cum. s.	E 0.00	Fine.
14	1 Cir.	W	...	...	E 0.00	Fine.
15	9 Alt. s. & Str.	9 Cum. & Cum. s.	E 0.08	Cloudy. Rain 8 to 10 a.m. from E.
16	4 Str. Cir. } WS 6 Cir. Str. } W	8 Cir. s.	...	2 Cum. s. & Cum. Nim.	E 0.00	Fine.
17	9 Str.	E 0.00	Fair a.m. Cloudy p.m.
18	2 Str.	E 0.00	Fine.
19	1 Cum.	E 10 Cum.	E 0.00	Fine.
20	E 0.00	Fine.
21	2 Cum. s.	SW 10 Str. & Cum. s.	SW 0.00	Cloudy.
22	1 Cum.	E 0.00	Fine.
23	10 Cum. & Cum. s.	E 0.00	Fine.
24	1 Cum. s.	E 0.00	Fine.
25	...	1 Cir. s.	...	9 Cum. s.	E 0.00	Fine a.m. Fair p.m.
26	9 Str. & Str. c.	6 Cum. s.	E 0.04	Cloudy a.m. Rain 6.30 p.m.
27	2 Cir. s.	SW	...	6 Cum. & 1 Str.	E 0.00	Fine.
28	10 Cum. s.	E 0.00	Fine a.m. Squally S.E. 7 p.m. 9.30 p.m. and Mid-night Cloudy p.m.
29	10 Str. & Cum. s.	E 3 Cum. s.	E 0.00	Cloudy a.m. Fine p.m.
30	E 0.00	Fine.
31	10 Cum. s. & Str. E	10 Cum. s. & Cum. Nim.	E 0.08	Cloudy and hazy early morning. Rain 1.15 p.m.
Means.	7 o/o	6 o/o	19 o/o	51 o/o	0.19	Fine.

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.							
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°			
King's House	410	65.9	84.4	87.3	56.5	30.8	63.3	79.0	90	84	92	8&30	53	19	39	0.17		
Castleton Gardens	580	65.1	74.2	79.3	62.2	17.1	63.8	67.7	96	81	83	30	57	2	26	3.33		
Hope Gardens	600	68.6	78.7	86.2	61.2	25.0	65.7	74.8	90	89	90	4*	58	4†	32	0.83		
Stony Hill Reformatory	1,400	65.3	76.1	79.4	62.4	17.0	64.6	74.7	98	96	82	1&14	60	4	22	0.85		
Cinchona Plantation	4,907	65.2	61.0	65.3	53.2	12.1	50.4	55.2	83	80	69	6†	50	1‡	19	2.62		

* also 9 and 30.

† also 9, 20 and 21.

‡ also 8, 9, 20 and 29.

§ also 3 and 30.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	JANUARY.	
	1894.	Average.
Infantile diseases not otherwise specified ...	21	21
Lung diseases ...	30	19
Fever and Malaria ...	11	10
Dysentery and Diarrhoea ...	9	9
Various ...	56	58
Total	127	117

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.364
" "	3 p.m.	25.325
Temperature—		°
6 feet underground	7 a.m.	61.0
" "	3 p.m.	61.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		56.4
The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 11.25 in.		

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°. that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR JANUARY, 1894.

The first column contains all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first column, only those Stations are considered for which the average Rainfall has been given in the second column; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

JANUARY.

1894. | Average.

		In.	In.
Hordley	St. Thomas	6.91	6.69
Manchioneal	Portland	3.62	...
Bath P. W. D.	St. Thomas	4.21	...
Mt. Ephraim	...	...	...
Boston	Portland	...	9.45
Port Antonio P. W. D.	...	6.26	10.02
Fellowship P. W. D.	...	6.07	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	...	...
Cinchona Plantation	St. Andrew	2.64	8.32
Buff Bay P. W. D.	Portland	8.13	...
Cold Spring	St. Andrew	2.85	...
Hardware Gap	...	3.30	...
Rose Hill	...	1.70	...
Annetto Bay P. W. D.	St. Mary	4.44	...
Stony Hill Reformatory	St. Andrew	0.85	4.31
Castleton Gardens	St. Mary	3.33	8.36
Lawrence's Tavern P. W. D.	St. Andrew	1.66	...
Albany, P. W. D.	St. Mary	3.96	...
Quebec	...	...	8.17
Richmond P. W. D.	...	4.92	...

NORTHERN DIVISION, contd.

JANUARY.

1894. | Average.

		In.	In.
Highgate P. W. D.	...	3.41	...
Gayle	...	4.30	8.21
Lucky Hill P. W. D.	...	3.46	...
Rio Hoe	St. Ann	2.22	6.05
Unity Valley	...	1.84	5.28
Moneague P. W. D.	...	2.56	...
Claremont	...	1.52	...
Albion	...	2.48	5.35
Averham Park	...	3.39	5.64
Ballintoy	...	1.49	...
Means		3.42	6.82

NORTHERN DIVISION.

JANUARY.

1894. | Average.

		In.	In.
Port Maria P. W. D.	St. Mary	3.71	7.50
Drax Hall	St. Ann	2.04	7.08
St. Ann's Bay P. W. D.	...	2.71	...
Seville	...	...	6.01
Richmond Estate	...	3.13	6.38
Llandovery	...	2.25	6.19
Southfield	...	...	...
Brown's Town P. W. D.	...	2.39	...
Home Castle	...	2.92	5.41
Richmond Pen	...	0.95	4.49
Mahogany Hall	Trelawny	0.74	4.39
Braco	...	2.45	4.37
Arcadia	...	2.33	4.93
Arcadia Great House	...	...	...
Harmony Hall	...	3.82	3.93
Lancaster	...	3.53	4.73
Vale Royal	...	2.96	5.09
Colchis Pen	...	0.28	2.91

NORTHERN DIVISION, *contd.* JANUARY.

		1894. | Average.	
		In.	In.
Hyde	...	1.99	5.12
Steelfield	...	2.30	4.85
Oxford	...	2.35	4.11
Cambridge	...	1.63	5.29
Dry Valley	...	2.75	...
Lotte	...	1.68	4.08
Falmouth	...	4.20	3.46
Falmouth P. W. D.	...	2.72	...
Fontabelle	...	0.44	...
Holland Pen	...	2.76	2.98
Pembroke	...	...	3.96
Golden Grove	...	0.55	2.89
Green Park	...	3.20	4.19
Tilston	...	1.50	3.45
Weston Favel	...	...	3.24
Orange Valley	...	2.96	3.64
Kent	...	3.47	4.35
Dundee	...	2.50	4.07
Phoenix	...	1.49	3.62
Gale's Valley	...	0.55	3.26
Greenwood	St. James	4.02	3.27
Canaan	...	2.13	...
Content	...	...	...
Bellfield	...	...	...
Gullsbro'	...	1.05	2.84
Tryall	...	...	...
Leogan	...	...	5.60
Cinnamon Hill	...	3.29	3.04
Rose Hall	...	4.30	3.40
Running Gut	...	4.50	3.23
Spring	...	3.80	...
Iroushore	...	4.20	2.77
Friendship	...	1.60	...
Providence	...	3.25	3.15
Montego Bay P. W. D.	...	2.15	...
Catherine Hall	...	3.25	3.71
Catherine Mount	...	...	4.40
Fairfield	...	...	3.88
Anchovy	...	...	2.82
Eden	...	...	3.07
Wiltshire	...	...	3.08
Round Hill	Hanover	2.10	1.95
Flint River	...	...	...
Tryall	...	...	1.92
Sandy Bay P. W. D.	...	1.94	...
Kew	...	2.00	2.32
Lucea P. W. D.	...	0.85	...
Thornhill, Lucea	...	...	...
Haughton Court	Hanover	...	2.94
Orange Cove	...	0.59	3.08

CENTRAL SUB-DIVISION—

Headworks, R. C. O.	St. Catherine	0.00	2.57
Linstead P. W. D.	...	1.88	2.63
Harker's Hall P. W. D.	...	1.10	...
Chapelton P. W. D.	Clarendon	...	2.55
Cave Valley	St. Ann	0.91	2.45
Means		2.37	3.98

WEST CENTRAL DIVISION.

		JANUARY.	
		1894. | Average.	
		In.	In.
Farm Plantation	Manchester	...	2.68
Brokenhurst Plantation	...	1.40	5.33
Christiana P. W. D.	...	1.19	...
Kendal P. W. D.	...	0.60	...
Mandeville P. W. D.	...	1.12	3.37
Marshalls Pen	...	2.58	3.01
Ulster Spring P. W. D.	Trelawny	0.65	...
Troy	...	0.41	...
Windsor Pen	...	0.55	3.95
Balaclava P. W. D.	St. Elizabeth	0.50	...

WEST CENTRAL DIVISION, *contd.* JANUARY.

		1894. | Average.	
		In.	In.
Elim	...	0.23	...
Appleton	...	3.15	2.21
Magotty	...	1.84	...
Spring Vale	St. James	...	4.68
Maroon Town	...	0.00	3.78
Kempshot	...	2.03	3.91
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	3.13	3.36
Kew Park	Westmoreland	...	2.05
Mount Carey	St. James	0.70	...
Windsor Forest	Westmoreland	...	3.88
Chester Castle	Hanover	...	1.72
Darliston P. W. D.	Westmoreland	1.92	...
Whithorn, P. W.D.	...	1.74	...
Lethe Bridge	Hanover	0.45	...
Cupse	...	...	2.92
Cacoon Castle	...	...	4.44
Golden Grove	...	...	3.08
Great Valley	...	...	...
George's Plain Estate	Westmoreland	...	...
Fontabelle	...	1.04	2.14
King's Valley	...	1.92	2.46
Abingdon	Hanover	3.88	1.63
Means		1.85	3.20

SOUTHERN DIVISION.

		JANUARY.	
		1894. | Average.	
		In.	In.
Morant Point L. H., St. Thomas	...	3.72	4.10
Morant Bay P. W. D.	...	1.15	...
Lyssons	...	...	...
Easington P. W. D.	...	...	...
Abbey	...	0.70	3.35
Bull Bay P. W. D.	St. Andrew	0.00	...
Gordon Town	...	0.80	...
Hope Gardens	...	0.38	2.27
Hope Reservoirs	...	0.15	...
Cherry Garden	...	...	...
King's House	...	0.17	1.54
Cavaliers	...	0.00	...
Shortwood	...	...	...
Constant Spring	...	0.62	...
Monatricie	...	0.18	1.64
Halfway-Tree P.W.D.	...	0.12	...
Camperdown	...	0.48	...
Public Works Office, Kingston	...	0.19	1.45
Plumb Point L. H.	...	0.11	1.03
Ferry P. W. D.	St. Andrew	1.27	...
Spanish Town P.W.D.	St. Catherine	0.79	1.80
Windsor Park	...	...	1.50
Hog Hole Pen P. W. D.	...	0.91	2.02
Old Harbour P. W. D.	...	1.16	2.62
Somerset Hall	...	1.59	...
May Pen P. W. D.	Clarendon	...	...
Hermitage	...	0.37	...
Denbigh	...	0.00	1.51
Manningsfield P. W. D.	...	...	...
Victoria Town	Manchester	0.23	...
Stone's Hope	...	0.40	3.49
Newport P. W. D.	...	1.09	...
Alligator Pond P.W.D.	...	0.28	...
Potsdam	St. Elizabeth	1.14	2.53
Long Hill	...	2.34	2.25
Pepper	...	1.45	1.75
Torrington P. W. D.	...	1.54	...
Bethlehem	...	2.39	...
Santa Cruz P. W. D.	...	3.25	...
Black River P. W. D.	...	...	...
Font Hill	...	2.65	...

SOUTHERN DIVISION, *contd.*

		JANUARY.	
		1894	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	4.43	...
Mount Edgecombe	...	4.35	1.89
Sweet River	...	1.30	2.09
Windsor (Sav.-la-Mar)	...	1.07	1.97
Sav.-la-Mar P. W. D.	...	1.53	...
Retreat	...	1.45	...
Means		1.13	2.18

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		JANUARY	
		1894.	Average.
		In.	In.
North Eastern Division		3.42	6.82
Northern	"	2.37	3.93
West Central	"	1.85	3.20
Southern	"	1.13	2.18
Means		2.19	4.04

The greatest fall was 8.13 in. and was recorded at Buff Bay and no rain fell at the Headworks R. C. C., Maroon Town, Bull Bay and Denbigh.

The rainfall was only about half the average in every Division of the Island.

It will be noticed that this report includes a new feature, for which we are indebted to Mr. Charlton Thompson, the new Harbour Master for Kingston. Mr. Thompson has started an hourly registration of the sea-level in Kingston Harbour for the hours 6 a.m. to 6 p.m. both inclusive, Sundays however being excepted. There are also occasional omissions when all the boatmen are absent on harbour service. The readings for each hour are not printed, it being thought necessary only to print the following:—Highest water, Lowest water, Mean Sea level and the tide, with the phase of the Moon. It must be remembered that all the figures are based *only* on the thirteen hourly readings 6 a.m. to 6 p.m. both inclusive and not on twenty-four hourly readings per day.

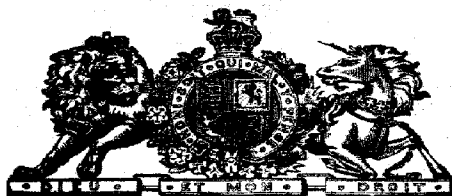
ROBT. JOHNSTONE,
Kingston, 20th February, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR.

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

Date.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
January 1894.					
1	Public	Holiday			
2	23	18	18.33	10	
3	26	17	21.64	9	
4	25	17	21.75	8	
5	26	17	21.75	9	
6	25	19	22.25	6	New.
7	Sunday				
8	25	18	21.66	7	
9	28	20	24.27	8	
10	27	19	23.27	8	
11	27	20	23.60	7	
12	26	21	23.58	5	
13	26	23	24.55	3	
14	Sunday				First Q.
15	28	22	23.83	6	
16	29	22	24.71	7	
17	30	21	24.08	9	
18	31	20	24.67	11	
19	30	20	26.58	10	
20	34	20	27.08	14	Full
21	Sunday				
22	30	18	25.09	12	
23	30	21	23.92	9	
24	23	20	21.25	3	
25	24	20	22.25	4	
26	24	21	22.75	3	
27	25	20	21.75	5	
28	Sunday				Last Q.
29	27	19	22.42	8	
30	25	18	20.50	7	
31	28	18	21.83	10	
Means	27.0	19.4	23.05	7.6	

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JAMAICA

WEATHER REPORT

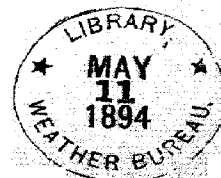
FOR THE MONTH OF

FEBRUARY, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
												Direction from, and miles per hour.						
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	30.097	30.080	63.4	81.5	82.8	67.2	15.6	65.7	68.1	91	64	Z	0	SE	10	SE	4	88
2	.089	.075	69.4	79.2	79.3	67.2	12.1	63.9	68.4	83	70	N	3	SE	2	SE	3	75
3	.072	.067	66.2	81.4	83.6	64.8	18.8	62.6	68.1	88	64	N	1	SE	11	SE	4	100
4	.114	.060	68.4	82.2	84.3	64.8	19.5	61.8	68.0	80	62	N	2	SE	10	SE	4	95
5	.180	.109	64.2	84.6	87.0	62.8	24.2	56.5	63.4	76	49	N	1	S	5	S	3	76
6	.119	.083	65.5	83.2	87.0	64.8	22.2	58.6	67.0	78	58	Z	0	S	6	Var.	4	86
7	.084	29.960	67.9	82.7	82.0	65.2	23.8	56.2	63.5	66	52	N	4	SW	4	Var.	4	89
8	.006	.948	68.1	83.4	85.5	66.7	19.8	64.0	70.0	87	64	N	1	SE	8	SE	4	98
9	.043	.997	68.2	79.9	85.5	67.3	18.2	65.9	70.3	92	73	Z	0	SSE	7	SSE	3	78
10	.064	30.042	66.4	76.3	83.2	66.0	17.2	62.2	68.6	86	77	N	2	SSE	4	S	3	69
11	.057	.000	65.2	77.9	83.8	64.2	19.6	58.8	66.1	80	67	N	2	SE	7	SE	4	91
12	.057	29.991	71.7	80.9	84.0	69.0	15.0	63.8	67.5	76	64	ESE	3	SE	13	SE	6	142
13	.056	.988	67.4	77.3	85.5	66.8	18.7	60.2	63.6	78	75	N	3	SE	12	SE	5	125
14	.079	.976	68.7	82.4	85.2	66.4	19.3	62.5	70.6	81	68	N	2	SE	12	SE	6	137
15	.083	30.032	68.4	82.2	83.9	67.3	16.1	67.5	63.3	97	66	N	0	SE	13	SE	5	116
16	.146	.068	67.3	83.7	86.0	66.9	19.1	63.9	63.3	97	62	Z	0	S	5	Var.	2	84
17	.158	.115	71.4	79.4	83.0	63.8	14.2	63.6	67.8	91	83	Z	0	SE	5	S	3	89
18	.152	.100	65.8	76.9	79.7	68.2	11.5	63.1	67.6	98	73	Z	0	SE	7	SE	3	63
19	.110	.083	66.0	77.8	81.1	64.3	16.8	64.6	65.8	95	67	Z	0	SE	8	SE	3	74
20	.073	.022	66.4	79.8	82.3	65.0	17.3	61.9	69.1	85	70	N	1	SE	11	SE	4	106
21	.083	.037	68.2	79.4	83.4	67.0	16.4	65.0	69.8	90	71	N	2	SE	9	SSE	5	113
22	.155	.104	66.8	81.2	82.3	65.9	16.4	62.3	70.2	86	69	Z	0	SE	12	SSE	5	120
23	.162	.126	65.2	78.9	82.3	64.4	17.9	61.9	67.8	89	69	Z	0	SE	6	SE	3	67
24	.147	.083	67.3	81.5	85.0	65.7	19.3	63.5	71.8	88	73	Z	0	SE	9	SSE	4	88
25	.151	.069	68.0	80.8	83.5	67.0	16.5	63.1	65.5	85	60	N	2	SE	11	SSE	5	118
26	.171	.096	68.4	82.7	83.4	67.0	16.4	60.5	70.2	76	66	N	2	SE	10	SE	4	103
27	.145	.104	67.9	79.6	84.2	67.3	16.9	62.4	70.9	81	76	N	2	SE	11	SE	4	88
28	.126	.053	68.7	81.6	84.3	66.1	18.2	65.3	69.9	89	68	Z	0	SE	12	SE	5	124
Means.	30.107	30.046	67.7	80.7	84.0	66.2	17.8	62.9	68.3	85	66	N	1.2	SE	8.6	SE	4.0	95.7



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather:} Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	2 Cum. } 1 Str. E	8 Cum s. NE	Ins. 0.00	Fair.
2	9 Cum. s. E	10 Cum. s. E	0.00	Cloudy. Light rain about noon.
3	1 Cum. E	0.00	Fine.
4	1 Cum. E	0.07	Rain at about 8.30 a.m. from E. Fine p.m.
5	1 Cum. E	0.00	Fine.
6	8 Cum. s. E	0.00	Fine. N. W. wind 3.30 to 5 p.m.
7	2 Cum. E	0.00	Fine.
8	3 Cum. E	0.00	Fine a.m. Drizzle 7 p.m. Squally 9.40 p.m.
9	10 Str. & Cum. s. E	0.00	Fair.
10	10 Cum. s. & Cum. E	0.00	Cloudy.
11	Nim. E	0.00	Cloudy.
12	3 Cum. ESE	10 Str. E	0.00	S. E. Squall 3 a.m. Fine p.m.
13	1 Cum. E	10 Str. E	0.00	Fair.
14	0.00	Fine.
15	3 Cum. s. SE	3 Cum. E	0.12	Rain 5 a.m. Drizzle 8.30 a.m. Fair p.m.
16	2 Cum. E	0.04	Fine a.m. Fresh N. wind 8 to 10 p.m. Rain 11.30 p.m.
17	8 Cum. s. E	10 Str. E	0.28	Cloudy. Light rain at noon. Rain 6 p.m. from E and from 7 to 9.30 p.m.
18	1 Cum. E	6 Cum. & Str. E	0.13	Rain 9.45 to 10.15 a.m. Clearing at 3 p.m.
19	10 Str. & Cum. E	0.01	Cloudy.
20	9 Str. c. E	0.00	Fine.
21	8 Str. E	0.00	Fair.
22	1 Cum. E	0.00	Fine.
23	8 Cum. s. E	0.01	Fine a.m. Drizzle 1.10 to 1.25 p.m.
24	6 Cum. s. } & 4 Str. E	10 Cum. & Cum. s. E	0.00	Fair.
25	2 Cum. NE	0.00	Fine.
26	1 Cir. s. SW	2 Cir. s. W.S.W.	...	6 Cum. s. E	0.00	Fine.
27	3 Cum. E	0.01	Fine a.m. Drizzle 5.30 p.m.
28	2 Cum. E	0.00	Fine.
Means.	0 o/o	1 o/o	14 o/o	55 o/o	0.67	Fine.

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.			Temperature.						
		7 a.m.	8 p.m.	Max.	Min.	Range.	7 a.m.	8 p.m.	7 a.m.	8 p.m.	Max.	Date.	Min.	Date.	Range.			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°			
King's House	400	64.0	84.0	87.8	55.3	32.5	61.8	77.8	93	82	92	4*	50	4	42			
Castleton Gardens	580	64.0	76.5	76.9	61.7	15.2	63.2	70.3	96	79	81	13†	55	7	26			
Hope Gardens	600	68.4	78.5	84.8	61.2	23.6	65.3	72.0	90	79	95	15	53	5&7	37			
Stony Hill Reformatory	1,400	64.6	75.2	78.8	61.7	17.1	63.7	74.0	97	96	83	14	60	5†	23			
Cinchona Plantation	4,907	54.7	61.6	65.7	53.2	12.5	48.8	56.9	80	83	71	28	50	11&12	21			

* also 14 16 & 23

† also 14 15 & 27

‡ and 5 other days

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	FEBRUARY.	
	1894.	Average.
Infantile diseases not otherwise specified ...	17	24
Lung diseases ...	22	14
Fever and Malaria ...	5	8
Dysentery and Diarrhoea ...	8	12
Various ...	50	53
Total	102	111

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.392
" "	3 p.m.	25.368
Temperature—		
6 feet underground	7 a.m.	60.2
" "	3 p.m.	60.2
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		33.2
The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 13.60 in.		

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.

NOTE—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°. that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed to Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR FEBRUARY, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		FEBRUARY.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	7.42	2.42
Manchioneal	Portland	6.54	...
Bath P. W. D.	St. Thomas	6.78	...
Mt. Ephraim	...	...	...
Boston	Portland	...	4.76
Port Antonio P. W. D.	...	3.10	5.34
Fellowship P. W. D.	...	6.25	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	...	...
Cinchona Plantation	St. Andrew	8.41	3.22
Buff Bay P. W. D.	Portland	3.20	...
Cold Spring	St. Andrew	3.60	...
Hardware Gap	...	6.91	...
Rose Hill	...	3.47	...
Annotto Bay P. W. D.	St. Mary	1.76	...
Stony Hill Reformatory	St. Andrew	2.01	2.16
Belle Vue	...	2.53	...
Castleton Gardens	St. Mary	7.86	4.04
Lawrence's Tavern P. W. D.	St. Andrew	3.80	...
Albany, P. W. D.	St. Mary	3.34	...
Quebec	...	...	4.56
Richmond P. W. D.	...	2.42	...

NORTHERN DIVISION, contd.

		FEBRUARY.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	...	2.82	...
Gayle	...	3.00	5.43
Lucky Hill P. W. D.	...	4.37	...
Rio Hoe	St. Ann	4.16	3.64
Unity Valley	...	4.49	3.01
Moneague P. W. D.	...	3.63	...
Claremont	...	5.05	...
Albion	...	3.43	3.26
Averham Park	...	4.47	3.54
Ballintoy	...	...	...
Means		4.84	3.61

NORTHERN DIVISION.

		FEBRUARY.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	1.57	3.95
Drax Hall	St. Ann	1.73	3.81
St. Ann's Bay P. W. D.	...	1.21	...
Seville	...	...	3.83
Richmond Estate	...	...	3.50
Llandoverly	...	1.10	3.12
Southfield	...	...	...
Brown's Town P. W. D.	...	3.82	...
Home Castle	...	2.27	3.34
Richmond Pen	...	0.95	1.76
Mahogany Hall	Trelawny	2.47	2.57
Braco	...	0.41	2.21
Arcadia	...	1.33	2.41
Arcadia Great House	...	...	...
Harmony Hall	...	...	2.23
Lancaster	...	0.66	2.51
Vale Royal	...	1.56	2.76
Colchis Pen	...	0.66	1.12

NORTHERN DIVISION, contd. FEBRUARY.

		1894. | Average.	
		In.	In.
Hyde	...	1.68	2.38
Steelfield	...	1.42	2.31
Oxford	...	0.87	2.10
Cambridge	...	1.85	2.43
Dry Valley	...	0.50	...
Lottery	...	1.40	2.10
Falmouth	...	0.50	1.41
Falmouth P. W. D.	...	0.25	...
Fontabelle	...	1.24	...
Holland Pen	...	0.70	2.31
Pembroke	...	...	1.54
Golden Grove	...	1.80	1.82
Green Park	...	0.82	1.75
Tilston	...	1.00	1.63
Weston Favel	...	...	2.72
Orange Valley	...	0.30	2.04
Kent	...	0.30	2.46
Dundee	...	1.08	2.03
Phoenix	...	2.80	2.32
Gale's Valley	...	2.35	1.78
Greenwood	St. James	0.75	1.98
Canaan	...	1.62	...
Content	...	...	...
Bellfield	...	...	...
Gullsbro'	...	2.00	2.21
Tryall	...	...	...
Leogan	...	...	2.11
Cinnamon Hill	...	0.83	1.74
Rose Hall	...	1.80	2.04
Running Gut	...	0.57	1.65
Spring	...	0.50	...
Ironshore	...	0.00	2.65
Friendship	...	2.15	...
Providence	...	0.47	1.94
Montego Bay P. W. D.	...	1.66	...
Catherine Hall	...	2.90	2.02
Catherine Mount	...	...	1.66
Fairfield	...	...	1.84
Anchovy	...	...	0.37
Eden	...	...	1.73
Wiltshire	...	...	2.10
Round Hill	Hanover	1.45	1.09
Flint River	...	...	...
Tryall	...	...	1.06
Sandy Bay P. W. D.	...	1.36	...
Kew	...	...	2.80
Lucea P. W. D.	...	1.39	...
Thornhill, Lucea	...	...	...
Haughton Court	Hanover	...	2.16
Orange Cove	...	1.68	2.25

CENTRAL SUB-DIVISION—

Headworks, R. C. C.	St. Catherine	1.90	1.42
Linstead P. W. D.	...	3.02	2.26
Harker's Hall P. W. D.	...	...	...
Chapelton P. W. D.	Clarendon	0.46	2.14
Cave Valley	St. Ann	1.17	2.33
Means		1.28	2.20

WEST CENTRAL DIVISION.

		FEBRUARY.	
		1894. | Average.	
		In.	In.
Farm Plantation	Manchester	2.65	2.31
Brokenhurst Plantation	...	...	2.65
Christiana P. W. D.	...	1.0	...
Kendal P. W. D.	...	1.21	...
Mandeville P. W. D.	...	2.29	2.47
Marshalls Pen	...	1.17	...
Ulater Spring P. W. D.	Trelawny	1.44	...
Troy	...	1.64	...
Windsor Pen	...	1.54	1.79
Balaclava P. W. D.	St. Elizabeth	0.85	...

WEST CENTRAL DIVISION, contd. FEBRUARY.

		1894. | Average.	
		In.	In.
Elim	...	1.30	...
Appleton	...	1.35	3.29
Magotty	...	...	...
Spring Vale	St. James	3.10	2.44
Maroon Town	...	...	2.05
Kempshot	...	...	2.70
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	...	4.42
Kew Park	Westmoreland	...	2.70
Mount Carey	St. James	1.94	...
Windsor Forest	Westmoreland	...	4.32
Chester Castle	Hanover	...	2.45
Darliston P. W. D.	Westmoreland	4.86	...
Whithorn, P. W.D.	...	3.24	...
Lethe Bridge	Hanover	2.67	...
Copse	...	...	2.01
Cacoon Castle	...	2.16	1.92
Golden Grove	...	2.00	2.86
Great Valley	...	...	2.31
George's Plain Estate	Westmoreland	3.49	...
Fontabelle	...	3.07	2.79
Morgans Bridge, P. W. D.	...	2.58	...
King's Valley	...	...	1.49
Abingdon	Hanover	1.45	2.09
Means		2.18	2.44

SOUTHERN DIVISION.

		FEBRUARY.	
		1894. | Average.	
		In.	In.
Morant Point L. H., St. Thomas	...	4.49	2.26
Morant Bay P. W. D.	...	3.76	...
Lyssons	...	...	...
Easington P. W. D.	...	2.53	...
Abbey	...	2.17	1.25
Bull Bay P. W. D.	St. Andrew	0.32	...
Gordon Town	...	1.60	...
Hope Gardens	...	1.76	1.13
Hope Reservoirs	...	1.48	...
Cherry Garden	...	...	1.24
King's House	...	1.30	1.29
Cavaliers	...	...	...
Shortwood	...	0.44	...
Constant Spring	...	1.95	...
Monaltrie	...	1.42	0.99
Halfway-Tree P.W.D.	...	0.92	...
Camperdown	...	1.26	...
Public Works Office, Kingston	...	0.67	0.66
Plumb Point L. H.	...	1.03	0.76
Ferry P. W. D.	St. Andrew	1.70	...
Spanish Town P.W.D.	St. Catherine	1.25	1.49
Windsor Park	...	...	1.03
Hog Hole Pen P. W. D.	...	1.93	1.78
Old Harbour P. W. D.	...	1.71	1.95
Somerset Hall	...	4.55	...
May Pen P. W. D.	Clarendon	1.96	...
Hermitage	...	1.00	...
Denbigh	...	2.20	...
Manningsfield P. W. D.	...	...	...
Victoria Town	Manchester	3.14	...
Stone's Hope	...	...	2.33
Newport P. W. D.	...	3.39	...
Alligator Pond P.W.D.	...	0.80	...
Potsdam	St. Elizabeth	0.61	1.37
Long Hill	...	...	1.74
Pepper	...	0.40	1.82
Torrington P. W. D.	...	0.43	...
Bethlehem	...	0.41	...
Santa Cruz P. W. D.	...	1.27	...
Black River P. W. D.	...	...	...
Font Hill	...	0.95	...

SOUTHERN DIVISION, *contd.*

FEBRUARY.

		1894	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	3.43	...
Mount Edgecombe	...	3.78	2.47
Sweet River	...	2.85	2.56
Windsor (Sav.-la-Mar)	...	3.37	2.50
Sav.-la-Mar P. W. D.	...	4.22	...
Retreat	...	3.20	...
Means		1.92	1.62

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	FEBRUARY	
	1894.	Average.
	In.	In.
North Eastern Division	4.84	3.61
Northern "	1.28	2.20
West Central "	2.18	2.44
Southern "	1.92	1.62
Means	2.56	2.47

The greatest fall was 8.41 in. and was recorded at Cinchona Plantation and no rain fell at Ironshire in St. James.

For the whole Island the Rainfall was about the average, being over the average in the North Eastern and Southern Divisions and under the average in the Northern and West Central Divisions.

Mr. Hill reports that there was "a slight shock of earthquake at Windsor Pen, (Trelawny), at 9.35 p.m., on the 4th February."

On the 5th the barometer in Kingston attained the highest point since the establishment of the service in 1886 as will be seen from the following record of high readings.

	in.	in.
1884 21 Jany.	7 a.m. 30.177	2 p.m. 30.060
1887 8 Feby.	7 a.m. .172	3 p.m. .105
1887 5 Mar.	7 a.m. .173	3 p.m. .085
1894 5 Feby.	7 a.m. .180	3 p.m. .109

ROBT. JOHNSTONE,

Kingston, 17th March, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

Date.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
February 1894.					
1	In.	In.	In.	In.	
2	28	17	27.75	11	
3	27	17	21.00	10	
4	27	19	22.92	8	
5	Sunday				
6	23	19	21.18	4	New.
7	26	18	21.85	8	
8	Ash Wednesday				
9	29	21	24.82	8	
10	23	18	20.64	5	
11	23	18	20.73	5	
12	Sunday				
13	25	17	20.73	8	
14	24	18	19.73	6	First Q.
15	28	17	19.55	11	
16	27	17	20.00	10	
17	27	16	19.45	11	
18	29	20	23.73	9	
19	Sunday				
20	26	15	19.40	11	Full
21	27	19	24.00	8	
22	25	15	20.00	10	
23	23	16	20.27	7	
24	19	14	16.73	5	
25	20	16	18.86	4	
26	Sunday				
27	20	16	17.00	4	
28	24	17	19.00	7	Last Q.
29	23	18	19.57	5	
Means	24.9	17.3	20.98	7.6	

No. 169.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MARCH, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.
												Direction from, and miles per hour.					
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.			
	...	In.	°	°	°	°	°	°	°								
1	30.131	30.060	68.2	80.7	83.5	66.0	17.5	63.2	68.1	84	66	Z	0	SSE	10	115	
2	.122	.069	69.6	74.8	84.8	66.8	18.0	63.9	70.5	82	78	N	2	Z	0	66	
3	.122	.075	70.9	80.8	83.7	66.8	16.9	67.2	70.9	88	72	Z	0	SSW	4	70	
4	.096	.069	71.6	79.9	82.0	71.0	11.0	65.8	69.0	82	69	N	3	Z	0	71	
5	.103	.056	69.9	80.8	88.5	67.2	16.3	66.4	68.7	89	67	Z	0	S	4	78	
6	.132	.040	68.3	87.2	87.7	65.1	22.6	61.0	65.1	78	50	Z	0	S	6	85	
7	.099	.011	65.3	79.2	81.7	63.6	18.1	57.3	64.0	75	60	N	2	NW	9	88	
8	.032	29.983	64.2	83.2	83.7	61.6	22.1	57.6	66.8	79	53	N	2	S	5	83	
9	.043	30.004	66.4	82.4	83.9	61.2	22.7	59.0	66.8	80	53	N	2	S	3	96	
10	.073	.029	66.6	79.7	83.3	65.0	18.3	60.5	67.5	81	66	N	2	S	6	90	
11	.069	.038	64.9	78.4	83.2	63.8	19.4	58.9	70.9	81	78	Z	0	S	5	65	
12	.041	29.981	65.0	78.6	82.8	62.2	20.1	62.1	70.3	91	76	N	3	SSE	6	71	
13	.046	30.026	67.7	79.6	80.3	64.0	14.3	62.2	75.9	83	89	N	0	SE	5	73	
14	.089	.005	67.4	80.7	84.4	65.0	19.4	62.7	71.8	85	74	Z	0	SE	8	85	
15	.087	.017	68.8	79.3	88.7	66.2	17.5	63.8	71.9	83	78	N	2	SE	10	87	
16	.082	.024	69.8	83.2	84.0	65.8	18.2	62.9	69.2	79	63	SE	3	SE	12	155	
17	.086	29.996	70.6	81.3	83.5	68.2	15.3	64.6	71.6	81	73	N	2	SE	15	178	
18	.082	.991	68.5	81.7	86.3	67.2	16.1	61.9	71.2	79	71	N	2	SE	14	132	
19	.046	.998	68.4	79.6	84.8	65.3	18.5	62.1	68.7	80	70	N	2	ESE	10	99	
20	.060	.992	70.8	82.6	84.9	67.2	17.7	63.4	68.9	79	63	Z	0	SE	14	160	
21	.076	30.026	69.9	82.2	82.9	68.0	14.9	65.8	70.2	87	67	N	2	SE	9	111	
22	.083	.006	70.2	83.9	85.0	68.5	16.5	62.6	70.1	77	65	Z	0	SE	9	126	
23	.061	.018	75.2	84.8	84.0	66.9	17.1	64.8	66.2	70	54	SE	8	SE	13	149	
24	.065	.002	70.2	78.6	84.3	68.2	16.1	64.9	67.8	83	74	N	8	NW	4	81	
25	.011	29.968	68.4	82.9	83.9	66.9	17.0	64.5	67.5	87	60	Z	0	SE	13	152	
26	.033	30.013	71.4	81.6	84.2	67.8	16.4	64.5	71.7	79	64	N	0	SE	10	117	
27	.096	.085	71.2	81.3	86.2	69.3	16.9	65.1	71.4	81	63	N	4	SSE	6	95	
28	.131	.059	71.2	81.7	86.9	69.9	17.0	65.0	72.7	81	77	N	2	SSE	8	103	
29	.115	.047	72.2	80.5	83.7	70.1	13.6	67.0	73.1	84	77	Z	0	SSE	11	119	
30	.066	.024	71.9	82.1	84.2	69.3	14.9	65.4	72.9	80	74	N	2	SSE	7	100	
31	.068	.089	71.6	78.6	82.9	68.6	14.3	64.6	71.5	79	84	Z	0	SE	5	76	
Means.	30.079	30.022	69.2	81.0	83.9	66.6	17.3	63.2	69.8	81	69	N	1.3	SE by S	7.9	102.7	

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	3 Cum. s	E 5 Cum. & Cum. s.	Ins.	Fair a.m. Rain about 12.30 p.m. Fine after.
2	10 Str. c. & Str. E	0.02	Fine a.m. Rain 1.45 to 2.15 p.m. from NW.
3	10 Str. c. & Str.	10 Cum. s. & Str. E	0.08	Cloudy.
4	10 Str.	10 Str. & Str. c.	0.00	Cloudy a.m. Rain in neighbourhood 1.30 p.m.
5	10 Str. & Cum.	3 Cum.	0.00	Cloudy a.m. Fine p.m. Northerly 5 to 7 p.m.
6	Nim.	...	0.00	Fine.
7	10 Cum.	E 0.00	Fine.
8	...	1 Cir.	...	1 Cum. s.	0.00	Fine.
9	2 Cum.	0.00	Fine.
10	10 Str. c.	0.00	Fine a.m. Fair p.m.
11	1 Cum.	10 Str. & Cum.	0.61	Fine a.m. Rain 3.45 to 4.30 p.m. Cloudy p.m.
12	Nim.	0.00	Fine a.m. Cloudy p.m.
13	10 Cum. s. & Cum.	0.00	Fine.
14	Nim.	0.00	Fine.
15	8 Cum. s.	E 5 Cum. s.	0.00	Fair.
16	2 Cum.	SE 10 Str. & Cum. s.	0.00	Fair.
17	1 Cir. s.	W	...	...	0.00	Fine.
18	2 Cum.	E 2 Cum.	E 0.00	Fair.
19	6 Cum. s. NE	0.00	Fine a.m. Fair p.m.
20	8 Cum. s. & Str.	E 10 Cum. & Cum. s.	0.00	Cloudy. Light rain 3.30 p.m.
21	0.00	Fine.
22	...	2 Cir. c.	9 Cum. s.	E 9 Str. c.	E 0.00	Fair.
23	1 Cum.	0.00	Fine a.m. Fair p.m.
24	1 Cum.	E 2 Cum. s. & Cum.	0.00	Fair a.m. Rain and Thunder to N.W. 2 p.m.
25	10 Cum. s. & Cum.	0.00	Fine a.m. Cloudy p.m. Rain to N 2.30 p.m.
26	Nim.	E 0.00	Fine.
27	2 Cum.	NE 0.00	Fine.
28	3 Cum.	0.00	Fine.
29	2 Cir. s.	...	...	8 Cum. s. & Cum.	0.00	Fine a.m. Fair p.m.
30	Nim.	0.00	Fine.
31	1 Cir. s.	...	2 Cum. s.	10 Cum. s. & Cum.	0.00	Fine a.m. Cloudy p.m.
Means.	1 o/o	1 o/o	21 o/o	60 o/o	0.74	Fine.

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.			Temperature.						
		7 a.m.		3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.		
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
King's House	ft.	400	64.9	81.9	86.3	55.7	30.6	61.2	75.5	87	82	93	20	49	7	44	0.83	
Castleton Gardens	...	580	62.9	77.1	81.0	60.2	20.8	61.4	69.6	93	79	85	18	54	9	31	4.21	
Hope Gardens	...	600	70.9	78.0	84.0	61.4	22.6	65.3	68.7	76	73	89	20	57	8	32	0.73	
Stony Hill Reformatory	...	1,400	64.9	73.9	78.3	61.8	16.5	64.0	72.9	97	97	85	17	58	11	27	2.37	
Cinchona Plantation	...	4,907	54.3	60.9	64.8	53.2	11.6	49.5	56.4	86	83	69	1*	47	7	22	7.00	

* also 2, 16 & 20.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	MARCH.	
	1894.	Average.
Infantile diseases not otherwise specified	24	32
Lung diseases	12	17
Fever and Malaria	5	7
Dysentery and Diarrhoea	9	15
Various	48	68
Total	98	129

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.371
" "	3 p.m.	25.344
Temperature—		
6 feet underground	7 a.m.	59.2
" "	3 p.m.	59.2
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		24.0
The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 6.04 in.		

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	... 11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	... 10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
March 1st	... 11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.

NOTE—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed to Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR FEBRUARY, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		MARCH.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	4.03	4.44
Manchioneal	Portland	2.50	...
Bath P. W. D.	St. Thomas	3.57	...
Mt. Ephraim	...	...	...
Boston	Portland	...	5.04
Port Antonio P. W. D.	...	2.80	4.28
Fellowship P. W. D.	...	4.06	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	...	...
Cinchona Plantation	St. Andrew	7.00	6.38
Buff Bay P. W. D.	Portland	1.61	...
Cold Spring	St. Andrew	3.94	...
Hardware Gap	...	3.45	...
Rose Hill	...	...	...
Annotte Bay P. W. D.	St. Mary	1.65	...
Stony Hill Reformatory	St. Andrew	2.37	3.11
Belle Vue	...	...	...
Castleton Gardens	St. Mary	4.21	4.45
Lawrence's Tavern P. W. D.	St. Andrew	4.10	...
Albany, P. W. D.	St. Mary	1.11	...
Quebec	...	...	2.85
Richmond P. W. D.	...	2.39	...

NORTHERN DIVISION, contd.

		MARCH.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	...	1.66	...
Gayle	...	6.40	5.10
Lucky Hill P. W. D.	...	3.49	...
Bio Hoe	St. Ann	3.17	4.63
Unity Valley	...	...	4.28
Moneague P. W. D.	...	3.67	...
Claremont	...	3.69	...
Albion	...	4.30	3.87
Averham Park	...	5.47	3.20
Ballintoy	...	5.27	...
Means		4.42	4.38

NORTHERN DIVISION.

		MARCH.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	3.61	3.25
Drax Hall	St. Ann	3.46	3.62
St. Ann's Bay P. W. D.	...	3.29	...
Seville	...	...	3.78
Richmond Estate	...	5.85	2.32
Llandoverly	...	...	2.35
Southfield	...	...	...
Brown's Town P. W. D.	...	3.72	...
Home Castle	...	2.62	2.27
Richmond Pen	...	5.70	2.15
Mahogany Hall	Trelawny	2.45	1.87
Braco	...	1.65	1.79
Arcadia	...	1.29	1.75
Arcadia Great House	...	...	...
Harmony Hall	...	...	1.70
Lancaster	...	1.98	2.17
Vale Royal	...	2.89	2.26
Colchis Pen	...	0.90	1.05

NORTHERN DIVISION, contd.

MARCH.

		1894. | Average	
		In.	In.
Hyde	...	2.88	2.89
Steelfield	...	2.20	2.18
Oxford	...	1.65	1.48
Cambridge	...	1.60	2.18
Dry Valley	...	2.25	...
Lottery	...	1.35	2.02
Falmouth	...	3.20	1.80
Falmouth P. W. D.	...	1.37	...
Fontabelle	...	2.25	...
Holland Pen	...	2.30	1.56
Pembroke	...	...	2.00
Golden Grove	...	3.45	2.80
Green Park	...	2.20	2.01
Tilston	...	3.90	2.55
Weston Favel	...	...	2.06
Orange Valley	...	0.75	1.64
Kent	...	3.60	1.77
Dundee	...	1.22	2.18
Phoenix	...	4.42	2.14
Gale's Valley	...	4.70	2.02
Greenwood	St. James	2.57	1.64
Canaan	...	1.14	...
Content	...	...	...
Bellfield	...	...	...
Guildbro'	...	2.96	1.60
Tryall	...	...	...
Leogan	...	...	1.89
Cinnamon Hill	...	1.13	1.05
Rose Hall	...	1.25	1.05
Running Gut	...	0.82	1.41
Spring	...	1.60	...
Ironshore	...	2.60	1.35
Friendship	...	1.50	...
Providence	...	2.17	1.10
Montego Bay P. W. D.	...	3.23	...
Catherine Hall	...	4.50	1.94
Catherine Mount	...	...	1.66
Fairfield	...	...	1.89
Anchovy	...	...	1.67
Eden	...	...	1.45
Wiltshire	...	4.81	2.65
Round Hill	Hanover	1.80	2.09
Flint River	...	...	...
Tryall	...	...	1.6
Sandy Bay P. W. D.	...	3.57	...
Kew	...	6.05	3.45
Lucea P. W. D.	...	5.94	...
Thornhill, Lucea	...	...	...
Haughton Court	...	...	2.64
Orange Cove	...	8.45	2.60

CENTRAL SUB-DIVISION—

Headworks, R. C. C.	St. Catherine	1.95	3.76
Linstead P. W. D.	...	3.02	2.14
Harker's Hall P. W. D.	...	3.76	...
Chapelton P. W. D.	Clarendon	1.57	2.85
Danks-Savoy	...	1.51	...
Cave Valley	St. Ann	5.77	3.20
Means		2.93	2.12

WEST CENTRAL DIVISION.

MARCH.

		1894. | Average	
		In.	In.
Farm Plantation	Manchester	2.65	3.35
Brokenhurst Plantation	...	...	3.04
Christiana P. W. D.	...	3.20	...
Kendal P. W. D.	...	2.42	...
Mandeville P. W. D.	...	2.90	4.76
Marshall's Pen	...	5.01	3.80
Ulster Spring P. W. D.	Trelawny	3.48	...
Troy	...	5.57	...
Windsor Pen	...	3.05	1.13
Balaclava P. W. D.	St. Elizabeth	4.75	...

WEST CENTRAL DIVISION, contd.

MARCH.

		1894. | Average	
		In.	In.
Elim	...	4.20	...
Appleton	...	4.47	4.29
Magotty	...	4.01	...
Spring Vale	St. James	4.24	2.84
Maroon Town	...	...	3.14
Kempshot	...	...	2.35
Ginger Hill P.W.D.	St. Elizabeth	4.81	...
Kepp	...	7.78	3.71
Kew Park	Westmoreland	5.39	2.41
Mount Carey	St. James	2.80	...
Windsor Forest	Westmoreland	...	4.17
Chester Castle	Hanover	...	2.39
Darliston P. W. D.	Westmoreland	7.50	...
Whithorn, P. W.D.	...	5.30	...
Lethe Bridge	Hanover	3.70	...
Copse	...	...	2.55
Cacoon Castle	...	...	2.35
Golden Grove	...	6.40	3.21
Great Valley	...	...	...
George's Plain Estate	Westmoreland	7.87	...
Fontabelle	...	5.08	3.05
Morgans Bridge, P. W. D.	...	5.02	...
King's Valley	...	...	2.79
Abingdon	Hanover	6.95	3.41
Means		4.90	3.27

SOUTHERN DIVISION.

MARCH.

		1894. | Average	
		In.	In.
Morant Point L. H., St. Thomas	...	1.61	2.02
Morant Bay P. W. D.	...	0.86	...
Lyssons	...	...	...
Easington P. W. D.	...	1.35	...
Abbey	...	2.30	2.72
Bull Bay P. W. D.	St. Andrew	0.10	...
Gordon Town	...	0.80	...
Hope Gardens	...	0.73	2.36
Hope Reservoirs	...	...	...
Cherry Garden	...	...	2.56
King's House	...	0.83	1.64
Cavaliers	...	...	...
Shortwood	...	1.51	...
Constant Spring	...	...	...
Monaltrie	...	1.01	1.63
Halfway-Tree P.W.D.	...	0.88	...
Camperdown	...	0.72	...
Public Works Office, Kingston	...	0.74	1.38
Plumb Point L. H.	...	0.15	1.17
Port Royal	...	0.14	...
Ferry P. W. D.	St. Andrew	0.43	...
Spanish Town P.W.D.	St. Catherine	1.58	2.79
Windsor Park	...	...	2.21
Hog Hole Pen P. W. D.	...	0.84	3.11
Old Harbour P. W. D.	...	1.08	2.41
Somerset Hall	...	2.46	...
May Pen P. W. D.	Clarendon	1.38	...
Hermitage	...	1.77	...
Denbigh	...	1.50	...
Manningsfield P. W. D.	...	1.18	...
Victoria Town	Manchester	1.92	...
Stone's Hope	...	1.99	2.30
Newport P. W. D.	...	1.82	...
Alligator Pond P.W.D.	...	1.32	...
Potsdam	St. Elizabeth	1.57	2.93
Long Hill	...	...	3.11
Pepper	...	3.40	3.06
Terrington P. W. D.	...	3.29	...
Bethlehem	...	4.22	...
Santa Cruz P. W. D.	...	3.07	...
Black River P. W. D.	...	2.27	...
Font Hill	...	5.15	...

SOUTHERN DIVISION, *contd.*

MARCH.

		1894.	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	4.66	...
Mount Edgcombe	...	3.04	2.77
Sweet River	...	4.45	3.19
Windsor (Sav.-la-Mar)	...	...	2.98
Sav.-la-Mar P. W. D.	...	2.87	...
Retreat	...	9.27	...
Means		1.69	2.41

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		MARCH.	
		1894.	Average.
		In.	In.
North Eastern Division		4.42	4.38
Northern	"	2.93	2.12
West Central	"	4.90	3.27
Southern	"	1.69	2.41
Means		3.48	3.04

The greatest fall was 8.45 in. and was recorded at Orange Cove in Hanover and the smallest, viz.: 0.10 in. was recorded at Bull Bay.

For the whole Island the Rainfall was about the average, the Northern and West Central Divisions having more than their average share, while the Southern had about a third less.

Mr. W. D. Hill reports that there was "a shock of earthquake at Windsor Pen (Trelawny) at 1.45 a.m. on the 20th March."

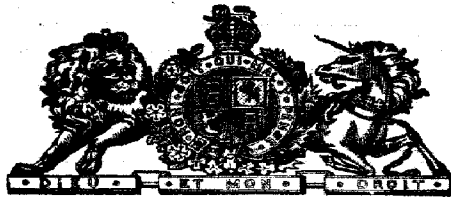
ROBT. JOHNSTONE,

Kingston, 1st May, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR
Hourly readings from 6 a.m. to 6 p.m. both inclusive.

Date.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
March.					
1894.					
	In.	In.	In.	In.	
1	25	16	19.33	9	
2	23	16	20.14	7	
3	25	18	20.68	7	
4	Sunday				
5	25	21	23.00	4	
6	24	19	21.36	5	
7	21	16	17.60	5	New.
8	21	17	19.55	4	
9	21	18	19.91	3	
10	20	16	18.30	4	
11	Sunday				
12	21	15	17.18	6	
13	22	15	17.09	7	
14	24	15	17.82	9	First Q.
15	25	14	17.91	11	
16	26	12	17.18	14	
17	25	13	17.18	12	
18	Sunday				
19	24	14	17.55	10	
20	21	15	17.73	6	
21	19	13	15.55	6	Full
22	18	15	16.18	3	
23	Holiday				
24	17	13	14.00	4	
25	Sunday				
26	Holiday				
27	19	12	14.82	7	
28	19	13	15.00	6	
29	19	13	15.82	6	Last Q.
30	19	12	14.60	7	
31	18	14	15.73	4	
Means	21.3	14.5	17.64	6.8	

No. 170.



JAMAICA

WEATHER REPORT

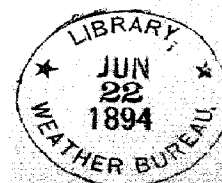
FOR THE MONTH OF

APRIL, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.				Total miles of wind.
												Direction from, and miles per hour.				
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.		
	...	In.	°	°	°	°	°	°	°							
1	30.086	30.086	73.3	80.2	84.0	71.3	12.7	68.8	69.2	86	69	N	3	N	6	88
2	.066	29.994	72.7	80.4	84.7	69.7	15.0	67.8	72.7	84	78	N	0	SSE	4	84
3	.016	.975	73.8	81.6	85.1	71.8	13.3	70.0	72.1	88	73	N	3	SE	4	84
4	.042	30.002	71.4	81.3	82.7	69.0	13.7	67.7	72.2	88	74	Z	0	SE	8	79
5	.057	.006	70.2	81.9	84.3	67.8	16.5	61.1	71.4	87	71	Z	0	SSE	7	96
6	.029	29.959	71.6	81.0	84.5	68.1	16.4	67.6	73.4	87	78	N	2	SSE	8	88
7	.004	.995	74.7	76.9	84.5	71.6	12.9	68.3	72.7	80	87	Z	0	N	1	86
8	.040	30.005	73.6	80.0	86.7	71.4	14.3	67.4	69.1	81	70	N	2	SE	5	70
9	.084	.088	72.2	78.8	82.9	68.2	14.7	67.0	69.7	84	74	Z	0	SE	12	92
10	.045	29.978	70.2	83.2	86.0	68.2	17.8	66.1	67.2	87	59	Z	0	SSE	9	97
11	29.984	.909	72.7	83.8	85.3	68.8	16.7	66.9	65.9	82	55	Z	0	SSE	9	92
12	.998	.950	72.4	83.0	85.9	69.5	15.4	65.1	68.0	79	61	N	2	SE	7	75
13	30.008	.948	70.4	83.7	85.4	69.3	16.1	65.4	67.8	84	59	Z	0	S	6	83
14	29.979	.892	73.8	83.4	85.6	70.2	15.4	67.6	70.4	81	65	Z	0	SE	5	79
15	29.988	.900	74.2	84.7	86.7	71.3	15.4	68.3	69.8	82	50	Z	0	SE	5	74
16	30.008	.927	74.4	84.0	87.5	71.2	16.3	70.6	68.9	88	57	Z	0	SSW	5	83
17	29.996	.915	70.2	85.8	87.1	68.0	19.1	63.9	65.0	80	50	Z	0	SSW	6	74
18	29.993	30.008	70.1	72.7	84.5	67.7	16.8	61.8	71.0	75	94	Z	0	Z	0	86
19	30.061	.006	71.5	83.9	87.7	67.6	20.1	63.2	68.0	89	59	Z	0	SE	9	72
20	.074	.041	71.2	80.4	84.2	66.5	17.6	64.9	70.3	80	71	N	3	SE	11	71
21	.070	29.998	73.2	81.9	84.8	69.2	15.6	66.6	68.8	80	65	Z	0	SSE	9	106
22	.051	.956	70.6	82.2	85.8	68.5	17.3	64.1	65.7	80	58	N	3	SE	10	85
23	.050	.954	75.0	83.2	85.7	70.1	15.6	67.1	68.8	77	62	N	3	SSE	11	90
24	.055	.852	73.2	88.2	86.2	70.2	16.0	68.5	67.2	85	59	N	3	SSE	9	105
25	.008	.957	74.1	81.6	86.3	71.0	15.3	69.8	69.9	86	68	N	2	SSE	8	80
26	.088	.930	74.6	84.2	86.0	71.0	15.0	67.7	71.6	79	66	Z	0	SSW	6	710
27	.044	.990	73.9	87.2	88.9	71.0	17.9	66.3	70.0	77	57	Z	0	SE	5	75
28	.038	.951	76.7	85.0	87.6	72.2	15.4	68.7	68.9	76	59	Z	0	S	8	94
29	.018	.922	73.9	80.8	82.5	72.8	16.7	67.5	63.8	80	56	Z	0	S	7	104
30	.006	.927	74.4	80.0	87.0	72.8	14.7	67.1	73.3	78	80	Z	0	NW	4	95
Means.	30.030	29.971	72.8	82.1	85.7	69.8	15.9	66.9	69.2	82	65	N	0.7	SSE	6.7	85.8



KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	6 Cir. s.	3 Cir. s.	4 Alt. s & Cum. s.	7 Str. c. & Cum. s.	Ins. 0.00	Cloudy.
2	2 Cir. s. W	...	8 Cum. & Str. c. E	10 Str. c. & Cum. s.	0.05	Fair a.m. Cloudy p.m. Rain about 9 p.m.
3	...	...	3 Cum. Cir. & Cum. s.	6 Str. c. & 4 Nim. s.	0.12	Fine a.m. Rain to N. about noon Rain 6 p.m.
4	3 Cir. c. SE	...	1 Cum. s.	10 Cum. s. E	0.00	Fine a.m. Cloudy p.m.
5	5 Cir. s. SW	...	3 Cum. s.	10 Str. c. E	0.08	Fair a.m. Cloudy p.m. Rain 4 p.m.
6	10 Cir. SW	...	...	10 Str. c.	0.00	Fine a.m. Fair p.m.
7	...	...	3 Cum. s.	5 Nim. s.	0.01	Fine a.m. Rain between 2 and 3 p.m.
8	...	2 Cir.	1 Str. c.	5 Str. c. E	0.00	Fine a.m. Cloudy p.m. Rain and thunder to N 1 p.m.
9	...	...	...	10 Str. & Cum. s. E	0.00	Fine a.m. Cloudy p.m. Rain to N. 3.30 p.m.
10	...	...	...	10 Cum. s. E	0.00	Drizzle 4.30 p.m.
11	...	...	...	1 Cum. s. E	0.00	Fine a.m. Fair p.m.
12	...	...	...	10 Str. & Cum. s. Nim.	0.00	Fine a.m. Cloudy p.m.
13	...	...	...	3 Cum. s.	0.00	Fine a.m. Fair p.m.
14	...	...	1 Cum. s.	8 Cum. s. E	0.00	Fine.
15	...	...	...	3 Cum. s.	0.01	Fine a.m. Fair p.m. Rain at 4.30 p.m.
16	...	...	...	...	0.00	Fine.
17	...	...	...	5 Cum. s.	0.00	Fine.
18	1 Cir. c.	...	3 Cum. s. SE	10 Nim. & Str. s.	0.17	Fine a.m. Rain between 2 and 3 p.m.
19	...	...	10 Str. c. E	10 Str. & Cum. s. NW	0.17	Fair a.m. Cloudy and squally to S.E. 3 p.m. Rain 3.30 to 4 p.m.
20	...	...	4 Cum. s.	10 Cum. s. & Str. s. E	0.00	Fine a.m. Cloudy p.m.
21	...	...	3 Cum. s.	10 Str. & Cum. s. E	0.00	Fine a.m. Cloudy p.m.
22	...	...	...	3 Cum. s.	0.00	Fine a.m. Fair p.m.
23	...	...	2 Cum. s.	9 Cum. s. E	0.00	Fine.
24	...	...	...	4 Cum. s.	0.00	Fine.
25	6 Cir. s. SW	2 Cir. s.	...	8 Str. s.	0.00	Fine a.m. Cloudy p.m.
26	1 Cir. s.	...	...	10 Cum. s. & Str. s.	0.00	Fine a.m. Cloudy p.m. Rain to N.E. 3 p.m. Light squall N.N.E. 3.30 p.m.
27	1 Cir. s.	...	...	6 Str. s.	0.00	Fine a.m. Fair p.m.
28	2 Cir. SW	10 Cir. & Cir. s. SW	...	...	0.00	Fine.
29	3 Cir. s. SW	2 Cir. s.	...	3 Cum. s. E	0.00	Fine.
30	...	...	...	10 Str. & Nim. s.	0.00	Fine a.m. Cloudy p.m. Rain in neighbourhood 3 p.m.
Means.	15 o/o	6 o/o	15 o/o	72 o/o	0.61	Fair.

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.		
	ft.	°	°	°	°		°	°					°			in.	
King's House	400	70.4	82.3	87.2	58.6	28.6	66.6	77.6	96	87	92	27 & 28	56	16 & 22	37	2.31	
Castleton Gardens	580	68.0	78.7	83.1	64.7	18.4	66.2	71.2	93	78	86	15*	61	19	25	4.31	
Hope Gardens	600	70.9	78.5	83.8	62.0	21.8	66.3	70.0	94	74	94	6	63	1†	34	4.76	
Stony Hill Reformatory	1,400	68.4	74.7	79.9	64.5	15.4	67.9	74.2	96	96	83	15	63	10†	30	7.90	
Clinchons Plantation	4,907	59.1	61.1	65.7	54.5	11.2	52.8	58.2	80	89	69	23	52	20	17	12.60	

* also 16 17, 23 & 24.

† also 12 other days.

‡ also 17, 18, 22 & 23.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	APRIL	
	1894.	Average.
Infantile diseases not otherwise specified	29	27
Lung diseases	29	16
Fever and Malaria	5	9
Dysentery and Diarrhoea	22	15
Various	49	55
Total	134*	122

Of the Various 2 are reported as due to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.841
" "	3 p.m.	25.322
Temperature—		°
6 feet underground	7 a.m.	59.0
" "	3 p.m.	59.0
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		26.6

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 20.50 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed to Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR APRIL, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		APRIL.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	2.61	5.58
Manchioneal	Portland	5.80	...
Bath P. W. D.	St. Thomas	3.87	...
Mt. Ephraim	...	...	...
Boston	Portland	...	6.79
Port Antonio P. W. D.	...	2.63	6.87
Fellowship P. W. D.	...	3.04	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	3.15	...
Cinchona Plantation	St. Andrew	12.50	7.17
Buff Bay P. W. D.	Portland	14.29	...
Cold Spring	St. Andrew	12.80	...
Hardware Gap	...	10.74	...
Rose Hill	...	...	...
Annotto Bay P. W. D.	St. Mary	5.24	...
Stony Hill Reformatory	St. Andrew	7.90	5.80
Belle Vue	...	...	...
Castleton Gardens	St. Mary	4.81	6.74
Lawrence's Tavern P. W. D.	St. Andrew	6.26	...
Albany, P. W. D.	St. Mary	4.25	...
Quebec	...	...	3.86
Richmond P. W. D.	...	2.58	...

NORTHERN DIVISION, contd.

		APRIL.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	St. Mary	3.17	...
Gayle	...	1.70	4.50
Lucky Hill P. W. D.	...	1.46	...
Rio Hoe	St. Ann	...	4.40
Unity Valley	...	...	4.76
Moneague P. W. D.	...	1.80	...
Claremont	...	3.04	...
Albion	...	...	4.55
Averham Park	...	2.04	5.13
Ballintoy	...	4.59	...
Means		4.81	5.90

NORTHERN DIVISION.

		APRIL.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	3.80	2.79
Drax Hall	St. Ann	3.07	2.84
St. Ann's Bay P. W. D.	...	2.65	...
Seville	...	...	2.85
Richmond Estate	...	1.52	2.56
Llandoverly	...	...	2.76
Southfield	...	...	...
Brown's Town P. W. D.	...	2.15	...
Home Castle	...	1.18	2.37
Richmond Pen	...	5.60	4.15
Mahogany Hall	Trelawny	2.80	3.37
Braco	...	0.97	2.32
Arcadia	...	1.87	2.02
Arcadia Great House	...	...	...
Harmony Hall	...	2.22	1.91
Lancaster	...	1.61	2.23
Vale Royal	...	2.25	2.67
Colchis Pen	...	3.23	3.02

* 12 of these occurred at the Public Hospital in March.

NORTHERN DIVISION, contd.

APRIL.

		1894. | Average.	
		In.	In.
Hyde	...	4.09	2.85
Steelfield	...	1.52	2.26
Oxford	...	0.60	1.95
Cambridge	...	0.64	2.57
Dry Valley	...	0.68	...
Lottery	...	0.63	2.00
Falmouth	...	1.80	2.04
Falmouth P. W. D.	...	1.36	...
Fontabelle	...	1.32	...
Holland Pen	...	1.59	2.41
Pembroke	...	...	2.71
Golden Grove	...	1.80	2.30
Green Park	...	2.23	1.63
Tilston	...	2.90	2.36
Weston Favel	...	0.21	3.48
Orange Valley	...	0.85	1.75
Kent	...	2.15	2.02
Dundee	...	3.32	1.86
Phoenix	...	3.50	4.51
Gale's Valley	...	3.20	2.51
Greenwood	St. James	2.00	1.61
Canaan	...	1.78	...
Content	...	...	...
Bellfield	...	...	...
Guiltsbro'	...	1.35	3.27
Tryall	...	...	...
Leogan	...	...	2.57
Cinnamon Hill	...	1.95	1.49
Rose Hall	...	1.15	1.43
Running Gut	...	1.10	1.77
Spring	...	0.80	...
Ironshore	...	0.90	2.65
Friendship	...	...	...
Providence	...	0.42	2.97
Montego Bay P. W. D.	...	2.95	...
Catherine Hall	...	3.05	2.93
Catherine Mount	...	...	2.93
Fairfield	...	...	3.16
Anchovy	...	...	3.44
Eden	...	...	4.38
Wiltshire	...	3.82	4.07
Round Hill	Hanover	0.75	2.26
Flint River	...	...	...
Tryall	...	...	3.03
Sandy Bay P. W. D.	...	2.13	...
Kew	...	1.54	5.04
Lucea P. W. D.	...	0.64	...
Thornhill, Lucea	...	...	...
Haughton Court	...	...	2.78
Orange Cove	...	0.64	3.68

CENTRAL SUB-DIVISION—

Headworks, R. C. O.	St. Catherine	6.25	3.47
Linstead P. W. D.	...	3.27	5.16
Harker's Hall P. W. D.	...	6.62	...
Chapelton P. W. D.	Clarendon	6.59	3.18
Danks-Savoy	...	...	...
Cave Valley	St. Ann	12.85	5.40
Means		2.47	2.75

WEST CENTRAL DIVISION.

APRIL.

		1894. | Average.	
		In.	In.
Farm Plantation	Manchester	8.14	4.05
Brokenhurst Plantation	...	...	6.06
Christiana P. W. D.	...	14.60	...
Kendal P. W. D.	...	17.93	...
Mandeville P. W. D.	...	9.13	3.98
Marshall's Pen	...	18.64	5.44
Ulster Spring P. W. D.	Trelawny	14.15	...
Troy	...	18.52	...
Windsor Pen	...	4.31	6.79
Balaclava P. W. D.	St. Elizabeth	21.63	...

WEST CENTRAL DIVISION, contd.

APRIL.

		1894. | Average.	
		In.	In.
Elim	...	25.95	...
Appleton	...	11.79	9.70
Magotty	...	12.96	...
Spring Vale	St. James	6.51	4.82
Maroon Town	...	4.55	7.93
Kempshot	...	6.54	4.81
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	...	9.83
Kew Park	Westmoreland	9.73	8.61
Mount Carey	St. James	3.90	...
Windsor Forest	Westmoreland	...	10.10
Chester Castle	Hanover	...	7.35
Darliston P. W. D.	Westmoreland	11.56	...
Whithorn, P. W.D.	...	8.03	...
Lethe Bridge	Hanover	...	...
Copse	...	...	5.81
Cacoon Castle	...	...	5.28
Golden Grove	...	13.93	9.05
Great Valley	...	5.06	...
George's Plain Estate	Westmoreland	...	...
Fontabelle	...	5.60	5.22
Morgans Bridge, P. W. D.	...	7.93	...
King's Valley	...	...	5.03
Abingdon	Hanover	1.05	5.62
Means		8.33	6.00

SOUTHERN DIVISION.

APRIL.

		1894. | Average.	
		In.	In.
Morant Point L. H., St. Thomas	...	1.87	2.97
Morant Bay P. W. D.	...	1.23	...
Lysons	...	...	...
Easington P. W. D.	...	2.60	...
Abbey	...	2.45	2.78
Bull Bay P. W. D.	St. Andrew	0.66	...
Gordon Town	...	8.14	...
Hope Gardens	...	4.76	2.45
Hope Reservoirs	...	...	...
Cherry Garden	...	...	3.53
King's House	...	2.31	2.72
Cavaliers	...	...	...
Shortwood	...	4.20	...
Constant Spring	...	...	...
Monaltrie	...	1.64	1.42
Halfway-Tree P.W.D.	...	1.63	...
Camperdown	...	...	...
Public Works Office, Kingston	...	0.61	1.08
Plumb Point L. H.	...	0.28	1.09
Port Royal	...	...	...
Ferry P. W. D.	St. Andrew	5.03	...
Spanish Town P.W.D.	St. Catherine	3.09	2.85
Windsor Park	...	3.63	3.06
Hog Hole Pen P. W. D.	...	3.28	3.33
Old Harbour P. W. D.	...	5.34	2.09
Somerset Hall	...	4.72	...
May Pen P. W. D.	Clarendon	2.42	...
Hermitage	...	2.68	...
Denbigh	...	1.60	...
Manningsfield P. W. D.	...	0.75	...
Victoria Town	Manchester	4.15	...
Stone's Hope	...	6.30	4.44
Newport P. W. D.	...	5.88	...
Alligator Pond P.W.D.	...	2.68	...
Potsdam	St. Elizabeth	4.19	5.30
Long Hill	...	13.43	8.92
Pepper	...	22.12	8.02
Torrington P. W. D.	...	5.72	...
Bethlehem	...	11.25	...
Santa Cruz P. W. D.	...	22.48	...
Black River P. W. D.	...	3.80	4.09
Font Hill	...	4.85	...

SOUTHERN DIVISION, *contd.*

APRIL.

		1894	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	10.13	...
Mount Edgecombe	...	6.80	4.29
Sweet River	...	9.24	4.92
Windsor (Sav.-la-Mar)	...	4.49	4.96
Sav.-la-Mar P. W. D.	...	5.22	...
Retreat	...	3.70	...
Means		5.24	3.73

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	APRIL.	
	1894.	Average.
	In.	In.
North Eastern Division	4.81	5.90
Northern	2.47	2.75
West Central	8.33	6.00
Southern	5.24	3.73
Means	5.21	4.60

The greatest fall was 25.96 in. and was recorded at Elim in St. Elizabeth and the smallest, viz.: 0.21 in. was recorded at Weston Favel.

The rainfall was under the average in the North-Eastern and Northern Divisions and over it in the West Central and Southern Divisions. At Elim where the greatest fall took place Mr. F. H. Farquharson reports that 5.91 in. fell between 3 p.m., and 5.10 p.m. on the 24th April. Mr. Wm. Hill, in reporting on the 2nd May the April rainfall, states that there had been rain every day within a mile of his gauge "for the past 34 days". Dr. Manners reports that the "Yallahs River" came down very suddenly on the evening of 25th April, and also on 26th and 27th, evidently heavy "rain at Guava Ridge."

ROBT. JOHNSTONE,

Kingston, 23rd May, 1894.

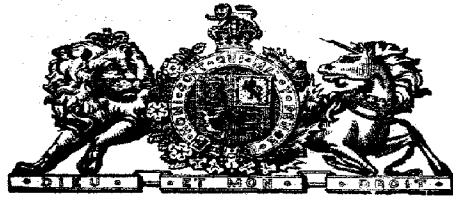
CORRIGENDA.—The following corrections should be made in the column "Total miles of wind" in the Report for March, 1894. On the 19th substitute 109 for 99 and for the Mean substitute 103.1 for 102.7.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

April, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	Sunday				
2	18	14	15.50	4	
3	20	14	16.73	6	
4	19	13	16.11	6	
5	18	13	15.27	5	New.
6	16	12	13.91	4	
7	16	12	14.20	4	
8	Sunday				
9	16	10	12.18	6	
10	17	10	11.81	7	
11	20	14	14.27	6	
12	21	13	15.20	7	First Q.
13	20	12	14.80	8	
14	20	12	15.18	8	
15	Sunday				
16	20	15	17.55	5	
17	20	16	17.81	4	
18	18	15	16.81	3	
19	16	13	15.00	3	Full
20	16	13	14.00	3	
21	13	11	11.90	2	
22	Sunday				
23	16	12	13.27	4	
24	18	12	13.73	6	
25	19	13	15.55	6	
26	19	14	15.64	5	
27	20	16	17.64	4	Last Q.
28	22	16	18.73	6	
29	Sunday				
30	22	18	20.18	4	
Means	18.4	13.3	15.32	5.1	

No. 171.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MAY, 1894.

KINGSTON :—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
												Direction from, and miles per hour.						
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.				
	...	In.	°	°	°	°	°	°	°									
1	29.955	29.923	74.4	71.2	86.3	69.9	16.4	67.3	70.2	79	92	N	5	N	5	Var.	4	90
2	.932	.900	73.8	79.5	81.7	70.0	11.7	67.2	69.5	80	72	N	1	Z	0	SSE	3	79
3	.922	.922	72.2	77.9	87.5	69.4	18.1	65.0	67.9	78	71	N	4	NNW	5	Var.	4	97
4	.912	.914	73.7	81.9	85.8	70.7	15.1	65.9	67.4	77	62	N	4	S	5	Var.	4	97
5	.918	.885	76.9	82.3	86.1	69.4	16.7	67.6	68.8	73	64	Z	0	N	4	Var.	4	98
6	.942	.890	75.2	83.1	85.3	70.1	15.2	67.0	73.2	75	72	Z	0	SE	9	SSE	4	98
7	.965	.941	75.3	82.7	86.1	70.4	15.7	68.7	70.7	80	67	N	3	SSE	12	SSE	5	113
8	.973	.884	77.2	85.4	87.3	72.2	15.1	69.4	70.6	77	61	Z	0	SE	12	SSE	5	130
	.935	.875	78.4	84.8	88.0	72.6	15.4	69.6	70.9	74	63	N	4	SE	12	SE	6	135
10	.969	.894	78.4	86.6	87.7	72.7	15.0	68.3	73.5	71	65	N	4	SE	11	SE	5	132
11	30.006	.989	78.6	88.2	87.9	73.0	14.9	68.1	67.7	70	51	N	3	ESE	4	SSE	4	100
12	.013	.987	77.3	82.6	87.5	72.8	14.7	70.0	74.3	78	76	Z	0	N	3	S	8	73
13	.014	.980	75.6	84.7	84.7	72.2	12.5	69.1	73.7	80	70	N	2	Z	0	S	3	81
14	29.968	.905	75.0	84.8	86.8	71.2	15.6	68.8	71.3	81	64	Z	0	S	5	S	4	104
15	.966	.904	78.2	83.2	87.1	72.1	15.0	67.4	72.2	70	70	N	2	SSE	7	SSE	4	98
16	.934	.902	77.8	85.0	86.3	71.8	14.5	70.0	72.5	77	69	Z	0	SSE	7	SSE	4	107
17	.921	.917	74.6	76.4	79.7	71.7	6.3	71.0	72.4	83	99	ESE	4	Z	0	Var.	2	51
18	.888	.811	74.2	75.4	79.7	70.9	5.8	73.2	75.2	97	96	Z	0	SE	4	SSE	3	68
19	.827	.781	74.2	81.9	83.0	71.2	11.8	73.8	74.4	97	79	Z	0	SE	6	Var.	2	56
20	.844	.831	75.7	82.8	82.8	73.7	9.1	67.2	72.0	75	70	Z	0	SW	3	W	1	35
21	.875	.844	77.6	83.4	84.9	74.2	10.7	73.4	75.4	87	77	Z	0	N	3	S	3	62
22	.906	.911	77.6	82.7	85.3	74.0	11.3	73.0	76.2	86	81	Z	0	SSE	5	S	3	66
23	.942	.897	77.6	85.0	86.2	72.2	14.0	74.7	74.0	91	70	Z	0	SSW	4	SSW	3	66
24	.960	.894	77.6	85.2	86.5	76.6	10.9	73.6	73.3	88	69	N	2	SE	6	SSE	3	75
25	.874	.912	79.3	84.7	87.8	73.8	13.5	71.0	74.6	78	72	N	3	SE	16	SE	6	141
26	.985	.921	77.2	86.6	89.3	72.2	17.1	70.4	73.7	80	66	N	3	SE	14	SE	6	144
27	.996	.967	78.2	87.8	87.3	74.3	13.0	70.4	73.5	80	64	N	3	SE	13	SE	7	165
28	.966	.921	79.3	79.8	82.4	77.8	4.6	71.3	74.3	75	83	SE	8	SE	9	SE	7	163
29	.921	.886	79.2	79.1	81.1	74.3	6.8	68.9	74.5	71	86	SE	6	SE	9	SE	6	137
30	.890	.882	78.1	80.2	84.3	72.6	11.7	74.6	74.5	89	83	ESE	6	SE	7	SSE	6	141
31	.944	.915	78.7	81.1	83.3	74.8	8.5	74.8	74.9	88	82	SE	6	SE	8	SSE	6	151
Means.	29.943	29.902	76.7	82.3	85.3	72.4	12.9	70.0	72.5	80	72	N	2.4	SE by S	6.8	SSE	4.2	101.7

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Date.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	10 Str. & Cum.s.	10 Nim.	Ins.	Cloudy. Rain 2.50 to 4 p.m.
2	...	...	5 Cum. s. SE	9 Cum. s. SE	0.00	Fine a.m. Cloudy p.m.
3	...	...	...	8 Str. & Str.	0.00	Fine a.m. Cloudy p.m. Thunder to N. 1 p.m.
4	...	...	1 Str.	10 Str. & Cum. c.	0.02	Fine a.m. Cloudy p.m. Rain 3.30 p.m.
5	...	...	...	10 Str. & Cum. Nim.	0.00	Fine a.m. Cloudy p.m. to N. Thunder 2 p.m. distant lightning till late.
6	...	...	...	10 Str. & Cum. Nim.	0.00	Fine a.m. Cloudy p.m.
7	...	...	...	10 Str. & Cum. s.	0.00	Fine a.m. Cloudy p.m.
8	...	...	...	1 Cum. s. E	0.00	Fine.
9	...	...	...	3 Cum. s.	0.00	Fine.
10	...	...	...	4 Cum. s.	0.00	Fine.
11	8 Cir. s. SW	6 Cir. s. E	...	5 Cum. s.	0.00	Fine a.m. Cloudy p.m.
12	7 Cir. s.	5 Cir. s.	3 Cum. s.	10 Str. & Cum. Nim.	0.00	Fine a.m. Cloudy p.m. Rain in neighbourhood 2.30 p.m.
13	10 Cir. s.	...	...	10 Str. & Cum. Nim.	0.04	Fair a.m. Cloudy p.m. Rain 2.45 p.m.
14	...	...	10 Cum. Cir. W	10 Cum. s.	0.00	Fine a.m. Cloudy p.m.
15	6 Cir. s.	...	...	8 Alt. s. N	0.00	Fine a.m. Fair p.m.
16	4 Cir. s.	5 Cir. c.	...	5 Cum. s.	0.00	Fine.
17	...	...	10 Str. & Nim. SE	10 Nim.	2.98	Cloudy. with rain from 4.30 a.m. till 4 p.m.
18	...	5 Cir. c. SW	10 Str. & Nim. SE	5 Str. & Cum. Nim. SE	2.68	Light showers from midnight and heavy at 6 a.m. 9.10 and 11 a.m. 2 and 5 p.m. continued through the night.
19	5 Cir. c. Cir. s.	...	2 Cum.	10 Cum. Nim. & Str. SSW	1.90	Rain all night to early morning, clearing at 7 a.m. Rain 4.30 to 6 p.m. Cloudy otherwise.
20	2 Cir. s. W	...	8 Str. & Cum. s. SW	10 Str. & Cum. Nim. SW	0.08	Cloudy. Rain early morning, distant thunder to N. all day. Rain 10.30 p.m.
21	1 Cir. s. SW	...	...	10 Cum. & Cum. Nim. SSE	0.00	Fine a.m. Cloudy p.m.
22	...	...	10 Cum. Cir. W	10 Str.	0.39	Cloudy. Rain 7.30 to 8.30 p.m.
23	1 Cir. s. SW	3 Cir. c. WSW	...	...	0.00	Fine a.m. Thunder to N. 6 p.m. till late.
24	...	4 Cir. s. SW	10 Cum. s. & Str. S	2 Cum. s. & Str.	0.00	Cloudy. Thunder to N. early morning and from noon to 3 p.m.
25	5 Cir. s. WSW	...	...	...	0.00	Fine.
26	1 Cir. W	5 Cir. W	...	...	0.00	Fine.
27	6 Cir. s. W	10 Cir. c. W	...	...	0.00	Fine a.m. Fair p.m. S.E. wind continued all night.
28	1 Cir. s.	...	9 Cum. & Str.	10 Cum. & Str. & Nim.	0.22	SE wind early morning. Rain 10.15 a.m. Rain squalls noon, 3 p.m. and 4 p.m. Cloudy.
29	...	...	10 Str. & Cum. Nim. SE	10 Cum. s. Str. & Nim. SE	0.12	Cloudy. Rain between 9 and 10 a.m. and between 3 and 4 p.m.
30	...	...	10 Nim. & Cum. SE	10 Nim. & Cum. Nim. SSE	0.70	Cloudy. Rain from midnight to 2 a.m. thunder to N. Rain 3.30 to 5.30 p.m.
31	...	2 Cir. s.	10 Nim. & Cum. SE	7 Cum. s. SE	0.33	Cloudy. Rain from midnight to 6 a.m. Clearing up in afternoon.
Means.	18 o/o	15 o/o	38 o/o	70 o/o		Heavy Seasons.
Total.					10.64	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.			Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°			
King's House	460	72.8	80.7	86.3	61.9	24.4	70.5	77.5	93	90	93	26	57	5	96	11.32		
Castleton Gardens	580	78.8	78.2	83.4	67.2	16.2	66.4	73.1	76	84	90	27	64	3*	26	19.88		
Hope Gardens	600	74.6	79.7	84.7	64.3	20.4	70.4	73.6	84	82	91	26	60	2†	31	11.20		
Stony Hill Reformatory	1,400	70.2	76.1	79.2	66.6	12.6	69.5	75.2	98	97	85	25	63	2†	23	15.31		
Cinchona Plantation	4,907	60.5	62.9	66.2	58.3	7.9	55.0	59.9	60	89	71	95	52	2	19	22.62		

* also 4, 7, & 9.

† also 6 other days.

‡ also 3 and 5

§ also 10, 11, 24 & 27.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	MAY.	
	1894.	Average.
Infantile diseases not otherwise specified	27	22
Lung diseases	21	15
Fever and Malaria	7	8
Dysentery and Diarrhoea	9	14
Various	47	69
Total	111	119

Of the Various 9 are reported as due to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.315
" "	3 p.m.	25.286
Temperature—		°
6 feet underground	7 a.m.	59.2
" "	3 p.m.	59.2
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		41.4

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 40.82 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.19	Fine a.m., showery p.m.	W. H.
June 1st	10 a.m.	70.9	42.8	54	18.20	Wet and cold, high wind from N.E.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed to Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR MAY, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		MAY.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	16.11	16.69
Manchioneal	Portland	35.25	...
Bath P. W. D.	St. Thomas	15.52	...
Mt. Ephraim	...	...	...
Boston	Portland	...	23.51
Port Antonio P. W. D.	...	25.89	20.65
Fellowship P. W. D.	...	33.37	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	14.99	...
Cinchona Plantation	St. Andrew	22.52	10.27
Buff Bay P. W. D.	Portland	14.26	...
Cold Spring	St. Andrew	17.62	...
Hardware Gap	...	23.10	...
Rose Hill	...	18.81	...
Annotto Bay P. W. D.	St. Mary	10.94	...
Stony Hill Reformatory	St. Andrew	15.31	10.10
Belle Vue	...	15.33	...
Castleton Gardens	St. Mary	19.38	12.90
Lawrence's Tavern P. W. D.	St. Andrew	16.63	...
Albany, P. W. D.	St. Mary	13.99	...
Quebec	...	5.5	7.72
Richmond P. W. D.	...	14.43	...

NORTH-EASTERN DIVISION, contd

		MAY.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	St. Mary	16.70	...
Gayle	...	...	8.93
Lucky Hill P. W. D.	...	13.55	...
Rio Hoe	St. Ann	13.87	10.90
Unity Valley	...	16.61	10.68
Moneague P. W. D.	...	14.96	...
Claremont	...	13.49	...
Albion	...	12.97	8.62
Averham Park	...	14.83	8.61
Ballintoy	...	11.79	...
Means		16.29	11.71

NORTHERN DIVISION.

		MAY.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	13.72	7.64
Drax Hall	St. Ann	13.88	8.05
St. Ann's Bay P. W. D.	...	15.02	...
Seville	...	...	8.16
Richmond Estate	...	19.53	8.59
Llandoverly	...	13.77	8.33
Southfield	...	...	...
Brown's Town P. W. D.	...	14.18	...
Hame Castle	...	12.53	6.29
Richmond Pen	...	11.54	8.13
Mahogany Hall	Trelawny	13.31	7.74
Brace	...	7.70	5.54
Arcadia	...	8.30	4.71
Arcadia Great House	...	8.49	...
Harmony Hall	...	...	4.63
Lancaster	...	8.99	6.66
Vale Royal	...	9.16	6.54
Colchis Pen	...	18.93	7.08

NORTHERN DIVISION, contd.

MAY.

		1894. | Average.	
		In.	In.
Hyde	...	13.82	8.50
Steelfield	...	9.21	5.91
Oxford	...	10.95	5.92
Cambridge	...	11.00	6.78
Dry Valley	...	8.15	...
Lottery	...	9.14	6.69
Falmouth	...	12.83	6.02
Falmouth P. W. D.	...	9.77	...
Fontabelle	...	10.82	...
Holland Pen	...	9.80	6.11
Pembroke	...	...	6.28
Golden Grove	...	16.90	8.67
Green Park	...	10.46	6.91
Tilston	...	14.15	8.29
Weston Favel	...	...	10.99
Orange Valley	...	10.90	5.90
Kent	...	8.40	6.14
Dundee	...	11.15	6.89
Phoenix	...	16.80	8.57
Gale's Valley	...	16.40	9.21
Greenwood	St. James	11.90	4.05
Canaan	...	12.48	...
Content	...	...	...
Bellfield	...	...	...
Gullsbro'	...	11.64	8.79
Tryall	...	...	...
Leogan	...	...	5.75
Cinnamon Hill	...	9.18	3.46
Rose Hall	...	7.68	2.23
Running Gut	...	8.30	4.82
Spring	...	10.15	...
Ironshore	...	11.80	5.06
Friendship	...	...	...
Providence	...	10.47	5.33
Montego Bay P. W. D.	...	10.07	...
Catherine Hall	...	11.80	7.94
Catherine Mount	...	...	8.19
Fairfield	...	...	9.67
Anchovy	...	...	9.38
Eden	...	...	8.52
Wiltshire	...	...	9.58
Round Hill	Hanover	8.15	6.74
Flint River	...	...	6.79
Tryall	...	...	...
Sandy Bay P. W. D.	...	11.25	...
Kew	...	9.31	11.88
Lucea P. W. D.	...	12.38	...
Thornhill, Lucea	...	...	...
Houghton Court	...	...	7.68
Orange Cove	...	17.22	8.52
CENTRAL SUB-DIVISION—			
Headworks, R. G. O.	St. Catherine	17.37	9.12
Linstead P. W. D.	...	22.09	10.43
Harker's Hall P. W. D.	...	18.95	...
Chapelton P. W. D.	Clarendon	17.04	7.75
Danks-Savoy	...	...	...
Cave Valley	St. Ann	17.84	10.80
Means		12.49	7.09
WEST CENTRAL DIVISION.			
		MAY.	
		1894. | Average.	
		In.	In.
Farm Plantation	Manchester	24.74	10.13
Brokenhurst Plantation	...	...	13.68
Christiana P. W. D.	...	18.59	...
Kendal P. W. D.	...	21.80	...
Mandeville P. W. D.	...	24.51	12.76
Marshall's Pen	...	27.01	...
Ulster Spring P. W. D.	Trelawny	21.02	...
Troy	...	28.76	...
Windsor Pen	...	18.59	10.81
Balaclava P. W. D.	St. Elizabeth	19.92	...

WEST CENTRAL DIVISION, contd.

MAY.

		1894. | Average.	
		In.	In.
Elim	...	30.03	...
Appleton	...	21.78	10.85
Magotty	...	19.49	...
Spring Vale	St. James	24.04	12.43
Maroon Town	...	...	10.88
Kempshot	...	...	8.32
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	36.23	12.51
Kew Park	Westmoreland	...	11.22
Mount Carey	St. James	8.20	...
Windsor Forest	Westmoreland	...	13.70
Chester Castle	Hanover	...	10.95
Darliston P. W. D.	Westmoreland	27.71	...
Whithorn, P. W. D.	...	24.71	...
Lethe Bridge	Hanover	15.71	...
Copse	...	...	11.82
Cacoon Castle	...	16.86	13.13
Golden Grove	...	20.04	15.16
Great Valley	...	...	...
George's Plain Estate	Westmoreland	14.79	...
Fontabelle	...	17.53	8.84
Morgans Bridge, P. W. D.	...	17.39	...
King's Valley	...	...	11.72
Abingdon	Hanover	24.35	7.50
Means		22.78	11.41

SOUTHERN DIVISION.

MAY.

		1894. | Average.	
		In.	In.
Morant Point L. H., St. Thomas	...	1.46	13.73
Morant Bay P. W. D.	...	10.60	...
Lyssons	...	...	...
Easington P. W. D.	...	14.46	...
Abbey	...	11.75	10.11
Bull Bay P. W. D.	St. Andrew	3.09	...
Gordon Town	...	12.50	...
Hope Gardens	...	11.20	6.72
Hope Reservoirs	...	6.25	...
Cherry Garden	...	...	5.83
King's House	...	11.32	7.59
Cavaliers	...	6.60	...
Shortwood	...	...	...
Constant Spring	...	8.52	...
Monaltrie	...	18.59	5.97
Halfway-Tree P.W.D.	...	12.26	...
Camperdown	...	11.29	...
Public Works Office, Kingston	...	10.65	5.58
Plumb Point L. H.	...	10.65	6.19
Port Royal	...	8.22	...
Ferry P. W. D.	St. Andrew	3.00	...
Spanish Town P.W.D.	St. Catherine	13.17	6.66
Windsor Park	...	14.83	6.55
Hog Hole Pen P. W. D.	...	15.63	7.62
Old Harbour P. W. D.	...	15.54	5.15
Somerset Hall	...	23.18	...
May Pen P. W. D.	Clarendon	16.42	...
Hermitage	...	16.65	...
Denbigh	...	23.20	...
Manningsfield P. W. D.	...	5.74	...
Victoria Town	Manchester	19.16	...
Stone's Hope	...	24.23	10.44
Newport P. W. D.	...	21.94	...
Alligator Pond P.W.D.	...	12.58	...
Potsdam	St. Elizabeth	14.54	6.41
Long Hill	...	22.04	9.77
Pepper	...	22.10	11.60
Torrington P. W. D.	...	20.00	...
Bethlehem	...	16.79	...
Santa Cruz P. W. D.	...	23.44	...
Black River P. W. D.	...	23.81	5.96
Font Hill	...	23.80	...

SOUTHERN DIVISION, *contd.*

		MAY.	
		1894	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	32.79	...
Mount Edgecombe	...	23.50	6.53
Sweet River	...	19.44	7.15
Windsor (Sav.-la-Mar)	...	18.57	9.52
Sav.-la-Mar P. W. D.	...	16.73	...
Retreat	...	21.46	...
Means		16.47	7.86

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		MAY.	
		1894.	Average.
		In.	In.
North Eastern Division		16.29	11.71
Northern	"	12.49	7.09
West Central	"	22.78	11.41
Southern	"	16.47	7.86
Means		17.01	9.52

The greatest fall (if we except Newhaven Gap where it was 40.32 in.) was 36.23 in. and was recorded at Kepp in St. Elizabeth and the smallest, viz.: 3.09 in. was recorded at Bull Bay.

The May "Seasons" this year have been heavy. In the North Eastern and Northern Divisions the fall was about half as much again as the average, while in the West Central the fall was double and in the Southern more than double the average. The means for the whole Island show a fall of 79 per cent over the average. If we take individual places we find the following largest departures from the averages. Black River had four times the average fall, Greenwood, Rose Hall, Kepp, Abingdon, Monaltrie and Mount Edgecombe had three or more than three times the average fall, while the stations with twice the average fall are numerous.

The following are notes which have come to hand: *Pratville*—(C. P. Nosworthy) "24.74 in. The heaviest fall for last 20 years"

Kepp—(Walter H. Allport) "36.23 inches; the heaviest falls were on 7th, 5.51; 17th, 4.21; 18th, 6.37; 30th, 7.63. The district is heavily flooded. The roads to Montego Bay and Savanna-la-Mar are both impassable on account of the water, and the road to Black River for about 2½ miles is entirely obliterated."

Peters Ville—(Thos. S. McNeel) "32.79 inches. The heaviest rain we have had since I came here in 1879. We had little or no thunder. The roads in this district very much washed and cut up. The Gully road quite impassable." (At this place falls over four inches in, one day occurred on the 17th, 18th and 30th, viz. 4.08 6.44 and 7.61 respectively.)

Mount Edgecombe—(Chas. B. Vickers) 23.50 inches. This is the largest monthly fall since I have had a rain gauge in August, 1879. On 18th and 30th May the gauge would have flowed over if I had not taken the precaution of emptying it before it rose too high. Though the fall was so large the rain was seldom violent so that I am happy to say little or no damage has been done about here at least, though I fear this has not been the case at places not far off."

(The falls on the 18th and 30th were respectively 5.45 and 4.89.)

Abingdon—(Francis Dod) "24.35 inches. Distant thunder. Rains day and night since 7th."

At Monaltrie in the neighbourhood of Kingston the heaviest falls occurred on the 17th, 18th 19th and 31st being respectively 2.65; 4.65; 3.40 and 1.31.

In Manchester the Superintendent of Public Works reports that the "rains did but little damage though accompanied by heavy winds."

Falls over 30 inches occurred at Manchioneal (35), Fellowship (33), Newhaven Gap (40), Elim (30), Kepp (36), and Peters Ville (33).

Falls between 25 and 30 inches occurred at Port Antonio (26), Marshalls Pen (27), Troy (29), and Darlington (28).

Falls between 20 and 25 inches occurred at twenty three places as detailed in the preceding columns.

ROBT. JOHNSTONE,

Kingston, 16th June, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

May, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	21	18	19.30	3	New.
2	21	19	19.80	2	
3	21	17	19.09	4	
4	19	16	17.46	3	
5	18	14	15.82	4	
6	Sunday				
7	21	14	16.27	7	First Q.
8	21	14	16.09	7	
9	23	16	17.27	6	
10	24	17	*	7	
11	25	18	19.64	7	
12	24	18	19.91	6	
13	Sunday				Full
14	Holiday				
15	21	18	19.64	3	
16	20	18	18.90	2	
17	21	18	19.10	3	
18	21	18	19.27	3	
19	20	16	17.64	4	Last Q.
20	Sunday				
21	19	14	15.55	5	
22	19	14	15.55	5	
23	20	15	16.27	5	
24	Holiday				
25	21	17	18.20	4	
26	22	18	19.00	4	
27	Sunday				
28	22	18	19.36	4	
29	21	18	19.27	3	
30	23	18	20.00	4	
31	20	15	16.91	5	
Means	21.0	16.6	18.13	4.5	

* No means taken as only 6 out of the usual 13 observations taken.

No. 172.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JUNE, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

June 1894.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
												Direction from, and miles per hour.						
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.				
	...	In.	°	°	°	°	°	°	°									
1	29.957	29.924	78.4	82.7	83.0	74.4	8.6	72.7	75.3	83	78	SE	6	SSE	8	SE	6	148
2	29.979	.940	79.0	84.8	86.2	76.4	9.8	72.1	74.2	80	71	SE	5	SSE	8	SE	7	172
3	.997	.960	80.6	83.9	85.8	75.0	10.8	75.3	74.5	84	74	SE	5	SE	10	SE	7	171
4	30.017	.981	80.5	83.3	86.7	73.8	12.9	72.1	73.8	76	73	Z	0	SE	10	SE	5	123
5	.081	.983	83.4	86.6	88.1	72.8	15.3	71.7	74.9	68	71	SE	5	SE	12	SE	7	175
6	.065	.992	83.6	87.7	89.7	79.0	10.7	68.7	70.0	61	56	E	5	ESE	12	ESE	8	190
7	.048	.964	79.2	84.8	88.0	75.1	12.9	68.4	72.6	70	67	N	4	SE	16	SE	7	168
8	.011	.944	80.0	84.8	86.8	71.1	16.7	69.3	71.6	70	65	N	2	SE	12	SE	6	137
9	29.996	.952	74.6	83.7	87.9	71.2	16.7	67.1	69.9	78	63	Z	0	SE	8	SE	5	116
10	.973	.920	77.6	87.4	88.3	71.4	16.9	67.1	72.7	70	62	N	3	SE	11	SE	4	108
11	.984	.911	79.3	89.2	87.8	71.3	16.5	69.8	72.4	72	70	Z	0	SSE	8	SSE	4	106
12	.984	.937	78.4	84.7	87.7	71.5	16.2	71.3	75.8	79	77	Z	0	SE	10	SE	4	108
13	.986	.960	80.9	89.1	88.9	72.4	16.5	74.2	72.2	80	77	N	2	E	10	Var.	4	89
14	.974	.916	73.2	86.7	88.0	71.7	16.3	69.3	74.5	75	69	N	3	SE	12	SE	5	119
15	.974	.945	78.6	86.7	88.5	71.6	16.9	69.5	74.3	74	67	N	2	SE	12	SE	4	106
16	.968	.960	78.9	88.6	90.5	73.0	17.5	68.4	72.6	75	59	N	2	SSE	12	SSE	5	123
17	30.022	.975	77.2	86.5	90.7	74.3	16.4	71.1	73.1	81	65	N	2	SE	11	SE	5	129
18	.057	.961	79.6	88.1	89.3	72.5	16.8	69.6	71.7	72	59	Z	0	SE	12	SSE	5	117
19	.052	.959	78.7	82.7	88.5	73.2	15.3	71.4	73.9	78	75	Z	0	N	2	Var.	3	84
20	.010	.976	75.9	86.0	86.2	72.3	13.4	69.9	73.8	82	67	N	2	ESE	6	SE	4	91
21	.084	.961	84.6	88.6	90.3	74.0	16.3	70.9	71.2	64	57	E	2	SE	14	SE	6	147
22	.028	.974	80.4	90.4	92.2	73.7	19.2	70.8	72.0	78	55	N	5	SE	12	SE	6	146
23	.037	30.003	77.4	89.4	92.3	75.2	17.1	67.2	71.2	71	55	N	2	SSE	12	SSE	6	144
24	.069	.009	78.4	77.4	90.1	74.1	16.0	71.0	73.2	78	87	N	2	Z	0	SE	3	77
25	.070	.015	73.2	79.4	86.9	73.3	14.8	70.8	73.5	92	82	N	0	E	3	Var.	3	73
26	.066	.084	77.6	80.9	84.2	72.4	11.8	71.9	72.7	83	76	Z	0	SE	5	SE	3	73
27	.063	.041	76.2	87.6	88.4	71.3	17.1	71.8	75.3	86	67	Z	0	SE	12	SE	5	117
28	.091	.030	77.6	89.0	89.8	72.5	17.3	71.4	70.1	81	54	Z	0	SE	12	SE	6	145
29	.069	29.986	80.9	88.0	89.3	71.7	17.6	70.1	75.6	70	67	Z	0	SE	8	SE	5	109
30	.938	.938	76.6	85.3	88.2	71.2	17.0	69.8	70.6	79	71	N	3	SE	10	SE	4	90
Mean.	30.022	29.972	78.6	85.2	88.3	73.1	15.2	70.5	73.0	76	67	N	2.1	SE	9.7	SE	5.1	123.4

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

June 1894.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1			10 Cum. s.	SE	10 Str.	Cloudy. Rain early morning
2	9 Cir. ...	W 2 Cir. s.	1 Str.	E	8 Cum. s. & Str.	Rain 4 a.m. and at 11 p.m. Squalls 11 p.m.
3	2 Cir.	SW	1 Cum.	SE	2 Cum. SE	Drizzle 4 a.m. Squally 1 to 4 a.m. Fine p.m.
4	4 Cir.	W	...	...	8 Str. c. & Cum.	Fine a.m. Fair p.m.
5	...	...	...	...	...	Fine.
6	...	...	1 Cum. s.	E	...	Fine a.m. Easterly wind all previous night. Fine p.m.
7	2 Cir.	NE	...	...	...	Fine.
8	1 Cir.	NW	9 Cir.	...	1 Cum.	Fine.
9	2 Cir.	NW	...	...	10 Str. c.	Fine a.m. Easterly squalls 2.15 p.m.
10	2 Cir.	NW	...	...	3 Cum. s.	Fine a.m. Thunder to N. 8 p.m.
11	...	9 Cir. & Cir. s.	...	...	1 Cum. s.	Fine a.m. Cloudy p.m.
12	1 Cir.	W 10 Cir. s.	...	...	...	Fine a.m. Cloudy p.m.
13	...	...	...	...	10 Cum. s. & Cum. Nim	Fine a.m. Cloudy p.m.
14	1 Cir. & Cir. c.	...	...	...	10 Cum. s.	Fine a.m. Fair p.m.
15	10 Cir. s. Cir. c.	W 2 Cir. & Cir. c.	...	...	1 Cum.	Fine.
16	2 Cir. s.	8 Cir. & Cir. s.	8 Cum. s.	...	2 Cum.	Cloudy a.m. Fair p.m.
17	...	W	...	...	...	Fine.
18	6 Cir. s.	NW	1 Cir.	...	1 Cum.	Fine.
19	...	1 Cir. s. NW	10 Cum. s.	E	6 Cum. s.	Fair a.m. Rain at noon and at 2 p.m. from N.E.
20	8 Cir. s.	3 Cir. s.	...	...	7 Cum. s.	Fair a.m. Fine p.m.
21	4 Cir.	1 Cir.	...	...	...	Fine.
22	...	...	...	...	3 Cum. s.	Fine.
23	...	...	2 Cum. s.	...	1 Cum.	Fine.
24	...	...	...	...	5 Str.	Fine a.m. Thunder to N. 1.30 p.m. Rain 2.30 p.m. to 3.15 p.m. clearing up 4 p.m.
25	...	...	5 Cum. s.	...	10 Cum. s. & Str.	Cloudy. Rain to N. 1.30 p.m.
26	2 Cir. s.	8 Cir. s.	...	...	2 Cum. s. & Str.	Fair a.m. thunder to S.E. 9.30 a.m. Cloudy p.m. Rain between 11 a.m. and 2 p.m. and at 5 p.m.
27	...	10 Cir. & Cir. s.	...	...	...	Fine.
28	...	...	...	...	1 Cum.	Fine.
29	...	...	...	...	1 Cum. s.	Fine.
30	...	...	...	...	5 Str. & Cum. s.	Fine a.m. Fair p.m.
Means.	19 o/o	24 o/o	15 o/o	39 o/o		Fair.
Total.					0.70	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.		
		°	°	°	°	°	°	°	°	°	°	°	°	°	°		
King's House	400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	580	72.1	82.4	86.7	67.3	19.4	70.0	74.5	93	79	92	5/17	65	5*	27	2.80	
Hope Gardens	600	75.8	84.7	87.6	66.6	21.1	71.0	75.9	85	76	91	17/23	64	15	27	2.98	
Stony Hill Reformatory	1,400	72.9	80.8	84.1	67.2	16.9	71.9	79.8	97	97	88	1/17	66	10	23	2.78	
Cinchona Plantation	4,907	62.3	65.7	69.8	57.2	12.6	66.0	60.8	77	84	73	29	50	2	23	6.66	

* also 6, 7, 9, 10, 26 & 29.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	JUNE.	
	1894.	Average.
Infantile diseases not otherwise specified ...	21	16
Lung diseases ...	25	14
Fever and Malaria ...	15	9
Dysentery and Diarrhoea ...	11	11
Various ...	45	54
Total	117	104

Of the Various 5 are reported as due to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.405
" "	3 p.m.	25.377
Temperature—		...
6 feet underground	7 a.m.	59.7
" "	3 p.m.	59.8
Direction of the wind	...	South Easterly
Velocity of the wind in miles per day		47.8

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 1.20 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st ...	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th ...	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st ...	11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th ...	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.
June 1st ...	10 a.m.	70.9	42.8	54	18.20	Wet and cold, high wind from N.E.	W. H.
June 30th ...	11 a.m.	70.9	45.3	68	6.60	Fine and clear.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR JUNE, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		JUNE.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	5.68	15.06
Manchioneal	Portland	10.39	...
Bath P. W. D.	St. Thomas	6.22	...
Mt. Ephraim	...	...	...
Boston	Portland	...	18.83
Port Antonio P. W. D.	...	10.36	49.41
Fellowship P. W. D.	...	11.66	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	9.58	...
Cinchona Plantation	St. Andrew	6.66	8.13
Buff Bay P. W. D.	Portland	5.46	...
Cold Spring	St. Andrew	0.15	...
Hardware Gap	...	2.10	...
Rose Hill	...	...	4.18
Annotto Bay P. W. D.	St. Mary	2.73	...
Stony Hill Reformatory	St. Andrew	2.78	8.15
Belle Vue	...	3.75	...
Castleton Gardens	St. Mary	4.30	10.56
Lawrence's Tavern P. W. D.	St. Andrew	0.40	...
Albany P. W. D.	St. Mary	2.86	...
Quebec	...	...	8.13
Richmond P. W. D.	...	2.32	...

NORTH-EASTERN DIVISION, contd.

		JUNE.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	St. Mary	2.63	...
Gayle	...	2.50	9.27
Lucky Hill P. W. D.	...	4.30	...
Rio Hoe	St. Ann	2.92	11.88
Unity Valley	...	2.13	8.71
Moneague P. W. D.	...	2.00	...
Claremont	...	3.42	...
Albion	...	3.47	6.50
Averham Park	...	2.45	9.08
Ballintoy	...	1.26	...
Means		4.32	10.62

NORTHWESTERN DIVISION.

		JUNE.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	2.32	8.01
Drax Hall	St. Ann	2.07	4.97
St. Ann's Bay P. W. D.	...	2.03	...
Seville	...	...	5.89
Richmond Estate	...	2.75	6.80
Llandoverly	...	...	5.87
Southfield	...	...	...
Brown's Town P. W. D.	...	3.00	...
Home Castle	...	1.72	4.77
Richmond Pen	...	1.26	5.87
Mahogany Hall	Trelawny	...	5.16
Braco	...	1.05	3.35
Arcadia	...	1.09	5.14
Arcadia Great House	...	...	...
Harmony Hall	...	...	2.75
Lancaster	...	1.07	3.33
Vale Royal	...	1.30	4.39
Colchis Pen	...	1.46	5.46

NORTHERN DIVISION, contd.

JUNE.

		1894. | Average.	
		In.	In.
Hyde	Trelawny	5.08	5.66
Steelfield	...	2.25	4.60
Oxford	...	2.55	5.12
Cambridge	...	3.47	5.27
Dry Valley	...	2.35	...
Lottery	...	2.30	4.05
Falmouth	...	3.00	...
Falmouth P. W. D.	...	1.80	...
Fontabelle	...	2.19	...
Holland Pen	...	1.15	4.45
Pembroke	...	...	4.78
Golden Grove	...	4.05	6.02
Green Park	...	0.95	3.78
Tilston	...	3.90	5.44
Weston Favel	...	...	8.29
Orange Valley	...	1.45	3.38
Kent	...	2.16	3.80
Dundee	...	3.54	4.47
Phoenix	...	4.24	8.98
Gale's Valley	...	4.00	6.87
Greenwood	St. James	2.59	3.82
Canaan	...	...	...
Content	...	...	...
Bellfield	...	...	...
Guildbro'	...	1.30	8.05
Tryall	...	...	...
Leogan	...	...	4.73
Cinnamon Hill	...	...	3.84
Rose Hall	...	...	4.18
Running Gut	...	...	2.84
Spring	...	0.65	...
Ironsore	...	1.10	4.43
Friendship	...	...	...
Providence	...	1.02	4.34
Montego Bay P. W. D.	...	1.73	...
Catherine Hall	...	2.10	6.18
Catherine Mount	...	...	6.41
Fairfield	...	...	6.82
Anchovy	...	...	8.27
Eden	...	...	8.63
Wiltshire	...	12.87	8.07
Round Hill	Hanover	3.85	6.52
Flint River	...	...	...
Tryall	...	...	6.94
Sandy Bay P. W. D.	...	3.85	...
Kew	...	9.05	8.41
Lucea P. W. D.	...	7.16	...
Thornhill, Lucea	...	...	...
Haughton Court	...	...	9.80
Orange Cove	...	9.99	7.75
CENTRAL SUB-DIVISION—			
Headworks, R. C. C.	St. Catherine	3.49	8.09
Linstead P. W. D.	...	6.24	8.85
Harker's Hall P. W. D.	...	3.46	...
Chapelton P. W. D.	Clarendon	4.13	7.86
Danks-Savoy	...	...	...
Cave Valley	St. Ann	2.11	7.71
Means	...	3.17	5.76

WEST CENTRAL DIVISION.

JUNE.

		1894. | Average.	
		In.	In.
Farm Plantation	Manchester	4.48	11.84
Brokenhurst Plantation	...	...	18.63
Christiana P. W. D.	...	3.43	...
Kendal P. W. D.	...	9.65	...
Mandeville P. W. D.	...	6.12	6.46
Marshall's Pen	...	5.83	6.69
Ulster Spring P. W. D.	Trelawny	3.18	...
Troy	...	3.80	...
Windsor Pen	...	5.41	12.84
Balaclava P. W. D.	St. Elizabeth	1.66	...

WEST CENTRAL DIVISION, contd.

JUNE.

		1894. | Average.	
		In.	In.
Elim	St. Elizabeth	3.58	...
Appleton	...	2.19	8.77
Magotty	...	2.74	...
Spring Vale	St. James	7.16	11.30
Maroon Town	...	...	13.51
Kempshot	...	...	9.77
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	...	8.48
Kew Park	Westmoreland	7.93	8.99
Mount Carey	St. James	4.62	...
Windsor Forest	Westmoreland	...	9.55
Chester Castle	Hanover	...	8.93
Darliston P. W. D.	Westmoreland	6.68	...
Whithorn, P. W.D.	...	7.16	...
Lethe Bridge	Hanover	7.45	...
Copse	...	...	8.50
Cacoon Castle	...	7.23	9.48
Golden Grove	...	...	11.30
Great Valley	...	...	...
George's Plain Estate	Westmoreland	6.94	...
Fontabelle	...	6.47	10.30
Morgans Bridge, P. W. D.	...	8.57	...
King's Valley	...	...	12.17
Abingdon	Hanover	9.10	12.17
Means	...	6.19	9.88

SOUTHERN DIVISION.

JUNE.

		1894. | Average.	
		In.	In.
Morant Point L. H., St. Thomas	...	2.36	7.70
Morant Bay P. W. D.	...	5.58	...
Lyssons	...	...	...
Easington P. W. D.	...	4.80	...
Abbey	...	3.40	14.90
Bull Bay P. W. D.	St. Andrew	2.27	...
Gordon Town	...	0.63	...
Hope Gardens	...	2.98	6.18
Hope Reservoirs	...	...	...
Cherry Garden	...	...	10.09
King's House	...	1.10	7.43
Cavalliers	...	...	...
Shortwood	...	...	...
Constant Spring	...	...	...
Monaltrie	...	2.02	5.33
Halfway-Tree P.W.D.	...	0.99	...
Camperdown	...	0.50	...
Public Works Office, Kingston	...	0.70	4.41
Plumb Point L. H.	...	0.70	4.74
Port Royal	...	0.88	...
Ferry P. W. D.	St. Andrew	0.20	...
Spanish Town P.W.D.	St. Catherine	0.00	5.93
Windsor Park	...	...	8.85
Hog Hole Pen P. W. D.	...	0.65	6.32
Old Harbour P. W. D.	...	0.73	9.62
Somerset Hall	...	1.39	...
May Pen P. W. D.	Clarendon	4.01	...
Hermitage	...	1.54	...
Denbigh	...	4.00	4.86
Manningsfield P. W. D.	...	0.72	...
Victoria Town	Manchester	0.11	...
Stone's Hope	...	0.58	12.70
Newport P. W. D.	...	2.80	...
Alligator Pond P.W.D.	...	0.00	...
Potsdam	St. Elizabeth	1.90	9.63
Long Hill	...	0.57	7.27
Pepper	...	0.35	5.47
Torrington P. W. D.	...	...	...
Bethlehem	...	2.40	...
Santa Cruz P. W. D.	...	1.71	...
Black River P. W. D.	...	1.20	3.92
Font Hill	...	...	...

Southern Division, contd.

		JUNE.	
		1894.	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	7.53	...
Mount Edgecombe	...	4.09	7.01
Sweet River	...	6.45	6.89
Windsor (Sav.-la-Mar)	...	3.14	6.74
Sav.-la-Mar P. W. D.	...	1.83	...
Retroat	...	5.63	...
Means		1.94	7.24

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		JUNE.	
		1894.	Average.
		In.	In.
North Eastern Division		4.32	10.62
Northern	"	3.17	6.76
West Central	"	6.19	9.88
Southern	"	1.94	7.24
Means		3.90	8.38

The greatest fall, viz., 11.56 in. was recorded at Fellowship in Portland, and no rain fell at Spanish Town and Alligator Pond.

Mr. Chas. B. Vickers writes from Mt. Edgecombe as follows:—"The greatness of the rainfall here this year is shown by comparing the total fall of the 6 months 1st Jany. to 30th June, 1894, = 45.56 inches with the total year's fall of 1888 = 45.28 inches." The average fall for the six months in question is 24.96, and that for the whole year is 61.35.

Mr. Wm. Hill writes from Appleton that the rainfall (2.19) was "unusually light for the month, and in 7 showers; dry and hot breezes. Therm. during day 86° to 90°, at nights 71° to 72°."

The rainfall was deficient in every division of the Island during June, the mean for the Island being less than half the average. The chief deficiencies were in the North Eastern and Southern Divisions.

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question.

	Rainfall recorded in 1894.	Average Rainfall.
January	2.19	4.04
February	2.56	2.47
March	3.48	3.04
April	5.21	4.60
May	17.01	9.52
June	8.90	8.38
Total	34.35	32.05

It will be seen from the above that for the half year the total fall for the Island has been two inches in excess of the average, the deficiencies in January and June being more than counterbalanced by the excess in May.

ROBT. JOHNSTONE.

Kingston, 14th July, 1894.

5

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

June, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	20	14	16.36	6	New.
2	18	14	15.63	4	
3	Sun day				
4	19	14	15.90	5	
5	21	15	17.27	6	First Q.
6	21	16	17.90	5	
7	23	17	18.54	6	
8	23	19	19.90	4	
9	23	19	20.63	4	Full
10	Sunday				
11	22	19	20.51	3	
12	22	19	18.82	3	
13	21	19	19.82	2	Last Q.
14	21	18	18.36	3	
15	21	17	18.27	4	
16					
17	Sunday				Full
18	22	17	18.82	5	
19	23	17	18.91	6	
20	23	18	19.36	5	
21	24	18	20.10	6	Last Q.
22	23	20	20.73	3	
23	24	20	21.00	4	
24	Sunday				
25	24	21	22.00	3	Last Q.
26	24	20	21.45	4	
27	25	21	22.27	4	
28	23	19	21.36	4	
29	24	18	20.00	6	Last Q.
30	22	17	18.72	5	
Means	22.2	17.9	19.28	4.3	

THE JAMAICA WEATHER SERVICE.

Notice for the Hurricane Season of 1894.

(1) During the hurricane months of August, September and October, the weather will be considered disturbed when the barometer is falling and when it has fallen between one and two tenths of an inch below its mean value for the time of day and year, all due corrections having been applied.

(2) Should the weather during these months be disturbed at any time, a circular telegram will be despatched as soon as possible, and copies of this telegram will be posted at all the telegraph stations in the Island.

(3) Each circular telegram will give the hour of despatch, the reading of the barometer, corrected and reduced, the temperature of the air, the direction

and force of the wind, the weather, and any remarks which may be necessary. The forms used in posting copies of the telegram are printed on red paper.

(4) After the first circular telegram has been despatched, a second circular telegram will be sent either to convey special warning, or to relieve unnecessary alarm, as soon as the position and motion of the centre of the disturbance can be approximately ascertained.

(5) The first circular telegram is intended to call public attention to the disturbed state of the weather as soon as possible; the second circular telegram is intended to give definite information and warning when necessary. But due care should always be taken after the issue of the first telegram; for the telegraph wires may be broken before the second can be despatched, or two cyclones, or the curvature of a single cyclone on its course, may confuse the indications.

(6) In order to render the Weather Service effective in warning the shipping in the different ports of the Island, copies of the telegrams referred to above will be given to the Harbour Masters at Milk River, Black River, Sav-la-Mar, Lucea, Montego Bay, Falmouth, St. Ann's Bay, Port Maria, Port Antonio and Morant Bay, who, upon the receipt of the first telegram, will keep themselves in readiness to warn the shipping in harbour should the second telegram render such warning necessary.

(7) Warnings will be given by means of flags and lamps; the flags are six feet square, having red borders enclosing black centres, two feet square; the lamps for use at night, emit a strong red light.

(8) The hurricane signals will be hoisted only under the following circumstances:—when specially

ordered by warning telegrams, or when the telegraph wires are broken and a storm is clearly approaching.

(9) The usual special arrangements will be made with the Harbour Master for Kingston for warning the shipping in this port. As heretofore, notices will be posted during the day, when necessary, at the Colonial Secretary's Office, the Merchants Exchange in Duke Street, and Mr. McDonald's Store in Harbour Street; and if necessary, hurricane flags will be hoisted at the two former places.

(10) Arrangements have been made with the Jamaica Post Office, so that when, under special circumstances, due notice can be given to the Postmaster for Jamaica, the wires may be kept open between 5 p.m. and 7 a.m., and also on Sundays.

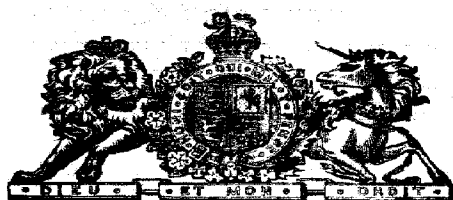
(11) Since the establishment of the service in 1880, twenty-six cyclonic disturbances have passed within barometric range of Jamaica, and information respecting them has been telegraphed round the Island without causing unnecessary alarm in a single case, for on three occasions only, namely, before the hurricanes of August 18th, 1880, and August 20th, 1886, and before the conflicting cyclones of September 15th, 1889, have orders been given to hoist the hurricane signals.

We may therefore expect that two or three disturbances will, on an average, be telegraphed around the Island each hurricane season.

The telegraph clerks may be assured that their services will never be asked for beyond the usual working hours, except when absolutely necessary from a meteorological point of view.

ROBT. JOHNSTONE,
Kingston 21st July, 1894.

No. 173.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1894.

KINGSTON.—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

July 1894.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
												Direction from, and miles per hour.						
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.				
	In.	In.	"	"	"	"	"	"	"									
1	30.030	30.005	78.7	87.8	88.5	72.3	16.2	69.9	75.1	75	66	N	2	SE	11	SE	4	100
2	.076	.035	79.4	87.5	91.9	72.0	19.9	72.3	73.6	79	64	N	2	SE	10	SE	6	121
3	.083	.069	82.0	90.2	91.5	76.4	15.1	72.2	74.1	72	59	ESE	10	SE	10	SE	7	169
4	.094	.033	78.2	86.9	88.7	73.2	15.5	69.6	76.2	75	71	Z	0	SE	9	SE	3	82
5	.053	29.984	79.9	85.5	87.3	73.3	14.0	72.5	73.5	79	68	Z	0	SE	4	SE	3	71
6	.038	.986	80.3	85.8	88.3	73.0	15.3	70.2	73.9	70	68	Z	0	SE	11	SE	5	123
7	.069	30.021	81.2	88.2	90.9	71.8	19.1	68.2	75.6	65	66	Z	0	SE	10	SE	5	131
8	.085	29.997	80.4	85.7	88.5	72.3	16.2	69.7	74.6	70	70	N	3	SE	8	SE	5	115
9	29.992	.970	79.4	84.8	89.1	73.8	15.3	71.5	75.6	77	74	Z	0	SSE	6	SSE	3	69
10	.982	.932	82.2	84.2	88.3	71.7	16.6	71.7	73.4	71	70	Z	0	SE	10	SSE	5	124
11	30.019	.959	80.6	87.7	89.3	74.0	15.3	72.0	74.6	75	65	Z	0	SE	13	SSE	5	126
12	.011	.984	80.2	85.4	89.1	73.0	16.1	70.1	74.7	71	71	N	2	Z	0	Var.	3	68
13	.019	.985	80.6	79.4	91.3	71.8	19.5	68.5	74.0	67	84	N	2	ESE	6	SE	4	103
14	.039	.988	80.9	86.9	89.3	72.2	17.1	70.2	67.8	70	63	Z	0	SE	13	SE	6	143
15	.044	30.006	82.6	89.6	91.3	72.4	18.9	72.3	63.2	71	49	Z	0	SE	11	SE	6	147
16	.066	.092	85.2	89.2	92.8	72.2	20.1	74.3	72.9	70	59	E	8	SE	16	SE	7	163
17	.056	29.994	79.9	90.6	92.9	73.3	19.6	70.7	70.6	72	62	N	4	SE	10	SE	4	107
18	.082	30.044	81.5	87.6	89.3	73.6	15.7	68.3	70.2	64	56	Z	0	SE	13	SE	6	153
19	.082	.043	78.5	80.4	89.1	73.4	15.7	68.9	71.2	72	74	Z	0	Z	0	Var.	3	64
20	.069	.011	79.0	86.4	89.2	73.6	18.6	67.9	69.4	69	57	Z	0	E	4	SE	4	93
21	.084	29.989	80.2	78.2	89.4	71.3	18.1	66.5	74.3	65	88	N	3	N	4	SE	4	90
22	.036	.980	78.8	86.9	87.8	71.2	16.1	71.0	76.4	77	67	N	2	SE	10	SE	4	100
23	.043	.984	79.0	88.4	89.2	72.0	17.2	68.6	73.5	71	62	N	1	SE	13	SE	5	124
24	.027	30.060	80.4	74.3	86.8	72.0	14.8	70.7	78.5	72	97	N	1	Z	0	SE	3	63
25	.066	.026	73.2	86.0	87.1	69.3	20.8	64.5	70.2	74	60	N	2	SE	11	Var.	3	84
26	.025	29.996	76.6	84.9	88.0	69.0	19.0	66.9	72.1	72	66	Z	0	SSE	5	Var.	3	64
27	.047	30.012	79.0	82.1	86.8	72.9	13.9	71.3	72.8	77	74	Z	0	SSE	6	SSE	3	84
28	.032	29.993	79.6	82.8	88.3	70.9	17.4	67.1	71.8	66	68	Z	0	SSE	12	SE	3	79
29	.042	30.055	79.2	78.6	87.7	72.7	15.0	67.7	69.9	68	75	E	6	Z	0	SE	3	65
30	.093	.039	72.4	87.1	88.4	70.7	17.7	65.1	70.2	78	57	N	2	SSE	10	SE	5	115
31	30.076	.052	75.4	87.8	89.9	69.6	20.3	62.0	72.8	63	62	N	2	SSE	9	Var.	4	85
Means.	30.049	30.008	79.5	85.4	89.2	72.1	17.1	69.4	72.7	72	66	N	1.7	SE	8.2	SE	4.3	103.4

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

July 1894.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	3 Cir. s.	1 Cir.	...	2 Cum. s.	Ins.	Fine.
2	1 Cir. s.	9 Cir. s.	...	1 Cum. s.	0.00	Fine a.m. Thunder and rain to N. 2.30 p.m. Cloudy with thunder and lightning all night N.E. Drizzle between 9 and 12 p.m.
3	6 Cir.s. & Cir. c.	3 Cir. s.	4 Cum. s.	...	0.00	Easterly wind all previous night. Fine p.m.
4	4 Cir. NW	8 Cir. s. & Cir. c.	...	...	0.00	Fine a.m. Fair p.m.
5	4 Cir. s.	6 Cir. s.	...	4 Cum. s.	0.00	Fine a.m. Cloudy p.m.
6	...	...	...	5 Cum. s.	0.00	Fine a.m. Fair p.m. (Rain to N.E. at 3 p.m.)
7	4 Cir. ENE	...	...	5 Cum. & Str.	0.00	Fine.
8	...	...	...	1 Cum.	0.00	Fine.
9	...	...	...	3 Cum.	0.00	Fine.
10	...	3 Cir. s.	...	10 Cum. & Str.	0.09	Fine a.m. Cloudy p.m. Rain 4 p.m.
11	10 Cir. & Cir. s.	3 Cir. c.	...	2 Cum. s.	0.00	Fine a.m. Cloudy p.m.
12	6 Cir. & Cir. s.	1 Cir. s.	...	...	0.00	Fine.
13	7 Cir. s. NNE	...	...	7 Cum. & Str.	0.07	Fine a.m. Cloudy p.m. Thunder to N. 1 p.m. Rain 1.30 p.m.
14	3 Cir. NNW	...	...	10 Str. & Cum.	0.13	Fine a.m. Cloudy p.m. Rain 2 p.m. and squally to S.E.
15	3 Cir. NW	8 Cir. & Cir. s. WNW	...	Str.	0.00	Fine.
16	...	1 Cir. s.	3 Cum. s.	1 Cum.	0.00	Fine a.m. Fair p.m. Sea breeze till late.
17	1 Cir.	...	...	...	0.00	Fine.
18	...	3 Cir. s.	...	...	0.00	Fine a.m. Fair p.m.
19	...	3 Cir. s.	...	8 Cum. s.	0.00	Fine a.m. Fair p.m.
20	1 Cir.	2 Cir. s.	4 Cum.	5 Str.	0.14	Fine a.m. Showers between 11 a.m. and 1 p.m.
21	...	...	...	6 Cum.	0.00	Fine.
22	...	...	...	10 Nim. & Str.	0.26	Fine a.m. Rain from N. 3 p.m.
23	1 Cir.	5 Cir.	...	5 Cum Nim. & Str.	0.00	Fine a.m. Fair p.m.
24	8 Cir. WSW	...	...	1 Cum.	0.00	Fine.
25	...	1 Cir.	...	10 Nim. & Cum.	0.52	Rain 10.50 a.m. to 6 p.m. with thunder to E. and N.W.
26	1 Cir. s. SW	5 Cir. s.	...	2 Cum. Nim. & Cum.	0.00	Fine a.m. Cloudy p.m. Rain to N. at 3 p.m.
27	2 Cir.	6 Cir. s.	...	3 Cum. s. & Str.	0.00	Fair.
28	4 Cir. & Cir. c. W	2 Cir. s.	...	4 Cum. s. & Cum.	0.00	Fine a.m. Fair p.m. Thunder to N. 1 p.m.
29	1 Cir. s.	...	1 Cum.	6 Cum. s. & Cum.	0.00	Fine a.m. Cloudy p.m.
30	...	...	2 Cum. s.	10 Str. & Cum.	0.00	S.E. Squall 3.30 a.m. with drizzle. Cloudy p.m.
31	...	...	...	4 Cum. s.	0.00	Fine.
	...	...	...	5 Str. & Cum. s.	0.00	Fine a.m. Fair p.m.
Means.	22 o/o	23 o/o	5 o/o	42 o/o		Fair.
Total.					1.21	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.			Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.			
	ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	in.			
King's House	410	72.8	84.0	88.4	...	...	69.3	79.3	87	84	94	2&5	...	...	4.75
Castleton Gardens	580	71.3	80.7	86.3	67.0	19.3	70.4	73.8	96	79	89	8	64	17*	10.11			
Hope Gardens	600	75.8	83.5	88.4	67.1	21.3	69.9	73.3	81	69	92	15&18	63	31	2.34			
Stony Hill Reformatory	1,400	71.6	77.8	82.4	66.8	15.6	70.2	76.4	95	95	88	23	64	25	6.96			
Cinchona Plantation	4,907	61.8	65.1	70.0	57.3	12.7	54.1	59.8	75	83	73	18	55	10&25	3.57			

* also 20, 21 & 25.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	July.	
	1894.	Average.
Infantile diseases not otherwise specified	16	18
Lung diseases	29	18
Fever and Malaria	9	11
Dysentery and Diarrhoea	13	7
Various	64	57

Total 131 111

Of the Various 14 are reported as due to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.412
"	3 p.m.	25.404
Temperature—		
6 feet underground	7 a.m.	61.7
"	3 p.m.	61.7
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		53.3

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 3.25 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	68.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.
June 1st	10 a.m.	70.9	42.8	5*	18.20	Wet and cold, high wind from N.E.	W. H.
June 30th	11 a.m.	70.9	45.3	68	6.60	Fine and clear.	W. H.
July 31st	11 a.m.	68.9	44.8	52	6.70	Raining—cold.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR JULY, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		JULY.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	6.09	7.88
Manchioneal	Portland	6.65	...
Bath P. W. D.	St. Thomas	9.54	...
Mt. Ephraim	...	...	...
Boston	Portland	...	8.09
Port Antonio P. W. D.	...	10.33	9.68
Fellowship P. W. D.	...	16.29	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	6.96	...
Cinchona Plantation	St. Andrew	3.67	3.90
Buff Bay P. W. D.	Portland	5.90	...
Cold Spring	St. Andrew	8.93	...
Hardware Gap	...	6.60	...
Rose Hill	...	...	...
Annotto Bay P. W. D.	St. Mary	4.44	...
Stony Hill Reformatory	St. Andrew	6.96	5.48
Belle Vue	...	...	...
Castleton Gardens	St. Mary	10.11	6.38
Lawrence's Tavern P. W. D.	St. Andrew	8.86	...
Albany, P. W. D.	St. Mary	2.87	...
Quebec	...	...	2.47
Richmond P. W. D.	...	2.11	...

NORTH-EASTERN DIVISION, contd.

		JULY.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	St. Mary	2.43	...
Gayle	...	2.15	2.20
Lucky Hill P. W. D.	...	2.87	...
Rio Hoe	St. Ann	...	5.43
Unity Valley	...	9.52	6.07
Moneague P. W. D.	...	7.11	...
Claremont	...	6.37	...
Albion	...	...	4.23
Averham Park	...	5.60	4.12
Ballintoy	...	5.89	...
Means		6.79	5.71

NORTHERN DIVISION.

		JULY.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	3.86	2.68
Drax Hall	St. Ann	2.20	2.61
St. Ann's Bay P. W. D.	...	2.65	...
Seville	...	...	2.17
Richmond Estate	...	...	1.81
Llandovery	...	...	1.63
Southfield	...	...	...
Brown's Town P. W. D.	...	4.56	...
Home Castle	...	4.54	2.03
Richmond Pen	...	6.25	2.43
Mahogany Hall	Trelawny	...	4.41
Braco	...	0.52	2.15
Arcadia	...	1.70	2.13
Arcadia Great House	...	...	...
Harmony Hall	...	...	1.63
Lancaster	...	1.06	2.22
Vale Royal	...	2.07	3.08
Colchis Pen	...	6.11	3.07

NORTHERN DIVISION, contd.

		JULY	
		1894	Average
		In.	In.
Hyde	Trelawny	6.70	5.27
Steelfield	...	3.15	2.93
Oxford	...	3.80	2.42
Cambridge	...	5.64	3.28
Dry Valley	...	1.70	...
Lottery	...	4.32	2.34
Falmouth	...	3.80	1.75
Falmouth P. W. D.	...	2.37	...
Fontabelle	...	5.50	...
Holland Pen	...	4.26	1.97
Pembroke	...	...	3.10
Golden Grove	...	4.70	3.45
Green Park	...	...	2.06
Tilston	...	2.00	3.32
Weston Favel	...	...	4.94
Orange Valley	...	2.89	1.75
Kent	...	2.29	1.58
Dundee	...	1.41	2.73
Phoenix	...	3.37	5.34
Gale's Valley	...	4.80	4.20
Greenwood	St. James	2.52	1.38
Canaan	...	1.40	...
Content	...	...	...
Ballfield	...	...	...
Gullsbro'	...	3.95	4.36
Tryall	...	...	...
Leogan	...	...	3.02
Cinnamon Hill	...	2.64	0.34
Rose Hall	...	2.20	0.84
Running Gut	...	1.92	1.02
Spring	...	2.20	...
Ironshore	...	1.75	2.02
Friendship	...	...	...
Providence	...	...	1.38
Montego Bay P. W. D.	...	5.07	...
Catherine Hall	...	3.75	3.96
Catherine Mount	...	...	4.17
Fairfield	...	...	3.97
Anchovy	...	...	5.57
Eden	...	...	4.65
Wiltshire	...	...	6.03
Round Hill	Hanover	2.00	3.94
Flint River	...	...	...
Tryall	...	...	4.68
Sandy Bay P. W. D.	...	8.02	...
Kew	...	...	5.26
Lucea P. W. D.	...	2.49	...
Thornhill, Lucea	...	...	...
Haughton Court	...	...	5.75
Orange Cove	...	3.38	5.45

CENTRAL SUB-DIVISION—

Headworks, R. O. C.	St. Catherine	1.26	4.37
Linstead P. W. D.	...	4.99	5.80
Harker's Hall P. W. D.	...	14.20	...
Chapelton P. W. D.	Clarendon	7.22	4.08
Danks-Savoy	...	...	...
Cave Valley	St. Ann	4.21	5.01
Means		3.41	2.98

WEST CENTRAL DIVISION.

		JULY.	
		1894	Average
		In.	In.
Farm Plantation	Manchester	...	5.56
Brokenhurst Plantation	...	...	7.68
Christiana P. W. D.	...	6.12	...
Kendal P. W. D.	...	7.64	...
Mandeville P. W. D.	...	9.18	6.08
Marshalls Pen	...	11.19	...
Ulster Spring P. W. D.	Trelawny	6.59	...
Thoy	...	9.61	...
Windsor Pen	...	6.09	7.73
Balaclava P. W. D.	St. Elizabeth	10.57	...

WEST CENTRAL DIVISION, contd.

		JULY.	
		1894	Average
		In.	In.
Elim	St. Elizabeth	10.42	...
Appleton	...	8.66	6.72
Magotty	...	8.25	...
Spring Vale	St. James	10.04	7.86
Maroon Town	...	...	11.49
Kempshot	...	...	6.62
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	11.50	8.39
Kew Park	Westmoreland	11.89	10.58
Mount Carey	St. James	7.95	...
Windsor Forest	Westmoreland	...	9.46
Chester Castle	Hanover	...	9.33
Darliston P. W. D.	Westmoreland	17.10	...
Whithorn, P. W. D.	...	13.61	...
Lethe Bridge	Hanover	7.89	...
Copse	...	...	6.86
Cacoon Castle	...	9.41	7.81
Golden Grove	...	...	8.84
Great Valley	...	...	...
George's Plain Estate	Westmoreland	7.28	...
Fontabelle	...	7.92	8.55
Morgans Bridge, P. W. D.	...	11.34	...
King's Valley	...	12.00	12.69
Abingdon	Hanover	6.85	12.61
Means		9.36	8.90

SOUTHERN DIVISION.

		JULY.	
		1894	Average
		In.	In.
Morant Point L. H., St. Thomas	...	3.22	2.88
Morant Bay P. W. D.	...	6.77	...
Lyasons	...	...	...
Easington P. W. D.	...	7.29	...
Abbey	...	5.25	6.46
Bull Bay P. W. D.	St. Andrew	2.31	...
Gordon Town	...	2.72	...
Hope Gardens	...	2.34	3.22
Hope Reservoirs	...	...	...
Cherry Garden	...	...	3.85
King's House	...	4.5	2.91
Cavaliers	...	...	...
Shortwood	...	4.60	...
Constant Spring	...	...	...
Monaltrie	...	2.39	2.43
Halfway-Tree P.W.D.	...	2.04	...
Camperdown	...	3.67	...
Public Works Office, Kingston	...	1.21	2.09
Plumb Point L. H.	...	1.12	2.27
Port Royal	...	1.61	...
Ferry P. W. D.	St. Andrew	1.93	...
Spanish Town P.W.D.	St. Catherine	0.81	3.00
Windsor Park	...	0.82	3.36
Hog Hole Pen P. W. D.	...	1.04	3.81
Old Harbour P. W. D.	...	2.06	3.38
Somerset Hall	...	1.15	...
May Pen P. W. D.	Clarendon	3.88	...
Hermitage	...	3.36	...
Denbigh	...	2.50	...
Manningsfield P. W. D.	...	2.21	...
Victoria Town	Manchester	2.96	...
Stone's Hope	...	7.35	4.83
Newport P. W. D.	...	8.00	...
Alligator Pond P.W.D.	...	1.60	...
Potsdam	St. Elizabeth	1.61	3.36
Long Hill	...	4.60	3.82
Pepper	...	6.10	2.57
Torrington P. W. D.	...	3.41	...
Bethlehem	...	6.13	...
Santa Cruz P. W. D.	...	12.88	...
Black River P. W. D.	...	6.77	...
Font Hill	...	6.25	...

SOUTHERN DIVISION, *contd.*

		JULY.	
		1894.	Average
Grand Vale	Westmoreland	...	...
Peter's Ville	...	8.15	...
Mount Edgecombe	...	7.66	6.19
Sweet River	...	11.57	6.39
Windsor (Sav.-la-Mar)	...	7.44	7.09
Sav.-la-Mar P. W. D.	...	9.32	...
Retreat	...	8.32	...
Means		3.96	3.86

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		JULY.	
		1894.	Average.
		In.	In.
North Eastern Division		6.79	5.71
Northern	"	3.41	2.98
West Central	"	9.36	8.90
Southern	"	3.96	3.86
Means		5.88	5.36

The greatest fall, viz., 17.10 in. was recorded at Darliston, and the smallest, viz., 0.52 in. was recorded at Braco.

The rainfall was slightly over the average in every division of the Island; in Kingston, however, it was only about one-half the average.

Mr. J. C. Melville reports "strong winds" at Gayle and Dr. Manners reports "high wind greater part of month" at the Abbey. Mr. Henry J. Whiting reports as follows from Spring Vale:—"On 14th July 3.47 inches fell in less than two hours. On 24th severe thunder and lightning which nearly struck a man (Joseph Clark of Deeside) while he was employed cleaning a pasture. The heap of dried bush about half a chain from him caught fire."

Mr. Hugh A. Viokers reports from Fontabelle, "A slight shock of earthquake here on Sunday, the 22nd from S. to N. at 8 p.m. precisely."

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question.

	Rainfall recorded in 1894.	Average Rainfall.
January	2.19	4.04
February	2.56	2.47
March	3.48	3.04
April	5.21	4.60
May	17.01	9.52

		Rainfall recorded in 1894.	Average Rainfall.
June	...	3.90	8.38
July	...	5.88	5.86
Total	...	40.23	37.41

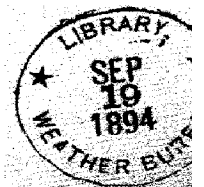
ROBT. JOHNSTONE.

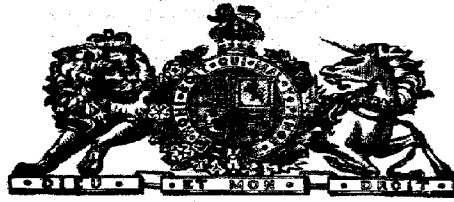
Kingston, 18th August, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

July, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	Sunday				
2	22	18	19.27	4	New.
3	23	18	19.55	5	
4	23	18	20.00	5	
5	24	20	21.00	4	
6	26	22	22.88	4	
7	25	22	22.73	3	
8	Sunday				
9	23	21	22.27	2	First Q.
10	24	21	22.29	3	
11	24	21	20.27	3	
12	23	21	21.36	2	
13	22	20	20.73	2	
14	23	20	20.73	3	
15	Sunday				
16	23	19	20.09	4	Full
17	23	19	20.45	4	
18	25	20	21.45	5	
19	23	19	20.45	4	
20	23	20	21.10	3	
21	23	21	21.80	2	
22	Sunday				
23	22	20	21.10	2	Last Q.
24	23	22	22.54	1	
25	23	19	20.73	4	
26	23	20	21.45	3	
27	23	19	20.00	4	
28	23	18	19.72	5	
29	Sunday				
30	23	18	19.63	5	
31	23	18	19.73	5	
Means	23.3	19.8	20.98	3.5	





JAMAICA

WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Aug. 1894.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.				Total miles of wind.
												Direction from, and miles per hour.				
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.		
	In.	In.	"	"	"	"	"	"	"							
1	30.068	30.002	76.0	87.9	89.7	71.2	18.5	69.3	70.9	76	57	Z	0	ESE	4	97
2	.030	29.990	74.5	83.0	89.9	73.5	16.4	68.3	72.4	81	71	N	2	E	3	66
3	29.998	.977	76.7	88.8	89.8	75.8	14.0	68.1	70.3	75	59	N	3	SE	5	130
4	30.036	.980	75.0	76.9	89.2	71.1	18.1	65.4	67.6	72	53	Z	0	E	5	64
5	.006	.967	75.4	83.1	88.7	70.9	17.8	68.7	72.6	80	71	N	1	SE	11	108
6	.025	.959	78.4	85.2	86.8	73.8	13.0	69.5	68.3	74	57	Z	0	SE	11	105
7	.007	.964	74.4	82.4	85.2	72.2	13.0	67.4	70.6	79	68	N	3	SE	10	83
8	.000	.942	77.9	89.3	89.8	70.3	19.5	68.6	67.5	68	49	N	6	SE	11	118
9	.085	.986	77.5	88.0	89.7	71.8	17.9	70.2	74.8	78	65	Z	0	SE	9	81
10	.060	30.031	78.2	87.4	89.3	71.2	18.1	68.8	74.8	68	66	Z	0	SE	11	97
11	.067	.060	77.4	84.8	89.1	73.7	15.4	71.2	72.3	81	66	Z	0	SE	6	78
12	.055	.009	76.2	86.2	90.1	70.2	19.9	68.2	75.6	76	71	Z	0	Z	0	70
13	.019	29.969	82.1	84.9	89.6	73.1	16.5	67.9	73.4	63	69	Z	0	SSE	8	92
14	.044	.995	78.6	87.5	90.1	74.5	15.6	69.0	71.7	72	59	SSE	4	SE	14	106
15	.061	.984	81.2	88.3	91.0	74.1	16.9	70.7	72.1	71	69	N	2	SE	13	118
16	.034	.974	80.0	86.9	90.0	72.5	16.5	69.3	73.0	70	64	N	2	SE	11	97
17	.047	30.006	79.9	86.8	91.3	73.2	18.1	67.7	72.7	66	63	N	0	SE	10	80
18	.028	29.961	79.2	87.4	88.9	72.8	16.1	70.5	71.5	75	59	Z	0	SE	12	102
19	.014	.973	77.8	88.2	92.5	74.9	17.6	70.8	71.7	79	58	Z	0	SE	13	117
20	.045	.985	78.8	89.3	91.5	73.6	17.9	70.6	70.9	77	55	Z	0	SE	14	130
21	.006	.958	81.2	89.4	91.3	74.5	16.8	68.5	69.1	66	61	N	2	SE	8	79
22	29.951	.927	77.8	86.4	89.9	74.4	15.5	71.0	72.1	80	63	Z	0	S	6	57
23	30.000	.973	76.6	84.5	88.3	73.6	15.2	70.8	70.1	82	62	Z	0	S	7	82
24	.034	.939	73.5	88.9	90.9	71.4	19.5	68.4	72.0	78	58	Z	0	S	6	83
25	29.996	.922	79.5	90.4	91.2	72.7	18.5	68.4	73.3	69	57	Z	0	N	5	84
26	.965	.996	76.2	86.0	90.8	74.2	16.6	71.1	71.7	84	58	Z	0	SE	7	86
27	.960	.931	77.4	84.5	90.5	72.5	17.9	68.4	73.4	69	70	N	3	N	5	76
28	30.027	.966	76.2	83.3	90.1	74.4	15.7	69.8	70.5	81	62	Z	0	SE	12	106
29	.042	.959	75.8	88.2	90.8	73.4	17.4	71.1	72.8	87	56	Z	0	N	5	65
30	29.999	.933	75.8	84.4	88.1	74.6	17.5	71.7	72.8	87	68	Z	0	SSE	10	99
31	30.003	.948	76.9	86.9	89.3	72.6	16.7	70.8	73.0	82	64	Z	0	SSE	10	99
Means.	30.031	29.973	77.9	86.5	89.8	72.9	16.9	69.1	71.8	74	62	N	8.9	SE	8.9	92.4

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

Aug. 1894.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	5 Cir.	10 Cum. NE	5 Cum. s.	Ins.	Fine.
2	...	1 Cir. s.	8 Cum. & Cum. E	8 Cum. s. & Str.	0.00	Fair a.m. Cloudy p.m. Thunder to N. at noon.
3	9 Cir. s. NW	8 Cir. s.	1 Str.	2 Cum. s.	0.00	Cloudy.
4	...	8 Cir. s.	6 Cum. s.	2 Cum. & Str.	0.73	Cloudy. Rain between 1.15 and 2.45 p.m.
5	8 Cir. & Cir. s. SW	8 Cir. & Cir. s. SW	...	1 Cum.	0.07	Fine a.m. Thunder to N. about 4.30 p.m. Rain 5 to 5.15 p.m.
6	...	10 Cir. s.	10 Alt. s.	...	0.00	Cloudy.
7	2 Cir. s.	...	8 Str. c.	10 Str. & Str. c.	0.07	Cloudy. Light rain 12.45 and at 2 p.m.
8	10 Cir.	10 Cir. s. & Cir. s.	...	...	0.00	Fine.
9	8 Cir. s.	1 Cir.	...	1 Cum.	0.00	Fine.
10	...	1 Cir. s.	...	9 Str.	0.00	Fine.
11	...	9 Cir. s. NW	...	...	0.00	Fine a.m. Fair p.m.
12	8 Cir.	2 Cir.	...	1 Str. & Cum. Nim.	0.00	Fine a.m. Thunder to N. at 3 p.m. (Little air moving.)
13	4 Cir.	...	...	9 Cum. s.	0.00	Fine a.m. Light rain between 12.30 and 1 p.m.
14	...	...	9 Cum. s.	5 Cum. NE	0.00	Fine a.m. Cloudy p.m.
15	...	1 Cir. s.	...	1 Cum.	0.00	Fine.
16	1 Cir.	...	...	7 Cum. E	0.00	Fine.
17	...	...	8 Cum. s. E	8 Cum. s. & Str. E	0.00	Fair a.m. Drizzle 2.30 and at 4 p.m.
18	1 Cir. s. SE	1 Cir. c. SE	3 Cum. s. SE	...	0.05	Rain 11 a.m. Fair p.m.
19	10 Cir.	1 Cir. & Cir. c.	...	1 Cum. E	0.00	Fine.
20	...	...	...	...	0.00	Fine.
21	4 Cir. & Cir. s. N	...	4 Cum. E	3 Cum.	0.00	Fine.
22	2 Cir. W	2 Cir. s.	...	6 Cum. s. & Str.	0.00	Fine a.m. Thunder to N. in afternoon. Lightning to N. W. till late at night.
23	...	1 Cir. s.	...	4 Cum. s.	0.00	Rain to N. about noon. Cloudy p.m. Thunderstorm to N. about 1 p.m.
24	4 Cir. SW	1 Cir. c. } NW	...	...	0.00	Fine a.m. Fair p.m.
25	1 Cir. W	9 Cir. s. }	...	4 Cum.	0.00	Fine a.m. Drizzle 2.30 p.m.
26	3 Cir. W	2 Cir. s. }	...	10 Str. & Cum.	0.00	Fine a.m. Cloudy p.m.
27	9 Cir. s. NW	6 Cir. s.	1 Cum.	Nim.	0.00	Fine a.m. Thunder to N. at 2.15 p.m.
28	10 Cir. & Cir. s. E	8 Cir. s.	...	4 Str.	0.00	Cloudy a.m. Fair p.m.
29	8 Cir. s. & Cir. s. NE	...	...	2 Cum.	0.00	...
30	4 Cir. NNW	6 Cir.	...	10 Str. & Cum. Nim.	0.39	Fine a.m. Cloudy p.m. Drizzle 12.15 p.m. Rain 3.30 to 4.30 p.m.
31	...	...	3 Cum.	4 Cum. s.	0.00	Fine a.m. Cloudy p.m.
	...	...	...	5 Cum. s. & Str.	0.00	Fair.
Means.	33 o/o	33 o/o	23 o/o	39 o/o		Fair.
Total.					1.31	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.										EXTREMES FOR THE MONTH.						Total Rainfall.
		Temperature.					Dewpoint.		Humidity.			Temperature.						
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		
King's House ...	400	78.1	85.3	88.9	67.8	21.1	69.7	80.8	90	85	94	10&20	65	7	29	2.37		
Gamberton Gardens ...	580	70.4	82.3	86.9	66.8	20.1	69.3	75.7	96	82	91	19	64	10	27	2.64		
Hope Gardens ...	600	75.1	84.1	89.0	67.8	21.2	69.5	73.4	84	69	95	20	65	1&12	30	5.61		
Stony Hill Reformatory ...	1,400	71.5	78.8	84.5	67.8	17.2	68.3	73.1	90	96	88	2*	65	12	23	5.23		
Oinebona Plantation ...	4,907	62.6	67.2	71.3	58.0	13.3	55.3	61.6	76	84	74	14†	56	5	18	0.50		

* also 10, 19 & 21.

† also 16, 20 & 21.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	August.	
	1894.	Average.
Infantile diseases not otherwise specified ...	17	12
Lung diseases ...	18	15
Fever and Malaria ...	5	9
Dysentery and Diarrhoea ...	4	4
Various ...	39	50
Total	83	90

Of the Various & are reported as due to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	in.
" "	3 p.m.	25.394
Temperature—		
6 feet underground	7 a.m.	62.4
" "	3 p.m.	62.4
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		39.3

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 2.08 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	66.9	40.3	53	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.
June 1st	10 a.m.	70.9	42.8	54	18.20	Wet and cold, high wind from N.E.	W. H.
June 30th	11 a.m.	70.9	45.3	68	6.60	Fine and clear.	W. H.
July 31st	11 a.m.	68.9	44.8	52	6.70	Raining—cold.	W. H.
August 31st	11.15 a.m.	69.9	44.8	62	1.72	Fine but misty.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR AUGUST, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892; as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

AUGUST.
1894. | Average.

		In.	In.
Hordley	St. Thomas	4.12	11.09
Manchioneal	Portland	4.56	...
Bath P. W. D.	St. Thomas	5.76	...
Mt. Ephraim	...	...	...
Boston	Portland	...	...
Port Antonio P. W. D.	...	3.87	11.07
Fellowship P. W. D.	...	3.86	12.62
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	0.97	...
Cinchona Plantation	St. Andrew	0.50	9.75
Buff Bay P. W. D.	Portland	2.09	...
Cold Spring	St. Andrew	2.35	...
Hardware Gap	...	4.90	...
Rose Hill	...	...	...
Annotto Bay P. W. D.	St. Mary	2.11	...
Stony Hill Reformatory	St. Andrew	5.28	11.82
Belle Vue	...	...	...
Castleton Gardens	St. Mary	2.64	11.04
Lawrence's Tavern P. W. D.	St. Andrew	9.49	...
Albany, P. W. D.	St. Mary	1.03	...
Quebec	...	...	3.89
Richmond P. W. D.	...	1.29	...

NORTH-EASTERN DIVISION, contd.

AUGUST.

1894. | Average.

		In.	In.
Highgate P. W. D.	St. Mary	0.76	...
Gayle	...	1.10	6.65
Lucky Hill P. W. D.	...	0.59	...
Rio Hoe	St. Ann	1.68	8.02
Unity Valley	...	3.19	6.79
Moneague P. W. D.	...	2.95	...
Claremont	...	1.11	...
Albion	...	3.66	...
Averham Park	...	0.61	5.97
Ballintoy	...	8.10	...
Means		2.64	9.48

NORTHERN DIVISION.

AUGUST.

1894. | Average.

		In.	In.
Port Maria P. W. D.	St. Mary	2.10	4.81
Drax Hall	St. Ann	0.37	4.10
St. Ann's Bay P. W. D.	...	0.44	...
Seville	...	...	4.35
Richmond Estate	...	...	4.19
Llandoverly	...	0.00	3.57
Southfield	...	...	...
Brown's Town P. W. D.	...	1.47	...
Home Castle	...	0.40	4.23
Richmond Pen	...	2.90	6.23
Mahogany Hall	Trelawny	...	6.13
Braco	...	0.10	3.62
Arcadia	...	0.28	4.27
Arcadia Great House	...	0.27	...
Harmony Hall	...	...	2.91
Lancaster	...	0.43	3.77
Vale Royal	...	0.80	5.20
Colchis Pen	...	7.51	5.51

NORTHERN DIVISION *contd.*

		August.	
		1894 | Average	In.
Hyde	Trelawny	6.11	6.36
Steelfield	...	1.24	4.08
Oxford	...	0.70	3.48
Cambridge	...	1.60	4.37
Dry Valley	...	...	...
Lottery	...	1.46	4.24
Falmouth	...	0.50	3.22
Falmouth P. W. D.	...	0.08	...
Fontabelle	...	2.63	...
Holland Pen	...	0.43	3.45
Pembroke	...	...	5.15
Golden Grove	...	1.80	5.62
Green Park	...	0.00	3.83
Tilston	...	1.35	6.03
Weston Favel	...	1.38	7.74
Orange Valley	...	0.28	3.43
Kent	...	0.00	3.61
Dundee	...	1.02	4.68
Phoenix	...	1.31	5.25
Gale's Valley	...	2.20	6.51
Greenwood	St. James	0.00	3.53
Canaan	...	0.96	...
Content	...	...	...
Bellfield	...	...	...
Gaillsbro'	...	1.26	6.04
Tryall	...	...	...
Leogan	...	...	6.14
Cinnamon Hill	...	0.00	2.31
Rose Hall	...	0.25	2.66
Running Gut	...	0.00	2.69
Spring	...	0.10	...
Ironshore	...	0.00	5.12
Friendship	...	...	...
Providence	...	0.25	4.65
Montego Bay P. W. D.	...	2.90	...
Catherine Hall	...	4.20	6.72
Catherine Mount	...	...	7.04
Fairfield	...	...	6.89
Anchovy	...	...	8.79
Eden	...	...	8.03
Wiltshire	...	...	8.30
Round Hill	Hanover	2.35	5.55
Flint River	...	...	...
Tryall	...	...	6.61
Sandy Bay P. W. D.	...	4.53	...
Kew	...	4.57	7.55
Lucea P. W. D.	...	2.24	...
Thornhill, Lucea	...	...	...
Houghton Court	...	...	6.41
Orange Cove	...	2.32	6.46

CENTRAL SUB-DIVISION—

Headworks, R. O. C.	St. Catherine	3.70	7.02
Linstead P. W. D.	...	5.20	8.64
Harker's Hall P. W. D.	...	9.08	...
Chapelton P. W. D.	Clarendon	7.00	8.98
Danks-Savoy	...	...	...
Cave Valley	St. Ann	6.41	8.24
Means		1.80	5.06

WEST CENTRAL DIVISION.

		August.	
		1894 | Average.	In.
Farm Plantation	Manchester	3.47	9.39
Brokenhurst Plantation	...	...	10.01
Christiana P. W. D.	...	6.38	...
Kendal P. W. D.	...	3.61	...
Mandeville P. W. D.	...	1.64	10.60
Marshall's Pen	...	3.00	...
Ulster Spring P. W. D.	Trelawny	7.31	...
Troy	...	12.24	...
Windsor Pen	...	6.81	9.47
Balaclava P. W. D.	St. Elizabeth	...	...

WEST CENTRAL DIVISION, *contd.*

		August.	
		1894 | Average	In.
Elim	St. Elizabeth	12.22	...
Appleton	...	10.58	11.48
Magotty	...	13.38	...
Spring Vale	St. James	9.14	11.86
Maroon Town	...	...	13.80
Kempshot	...	...	9.46
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	15.47	11.14
Kew Park	Westmoreland	...	11.67
Mount Carey	St. James	4.83	...
Windsor Forest	Westmoreland	...	13.53
Chester Castle	Hanover	...	11.73
Darliston P. W. D.	Westmoreland	9.43	...
Whithorn, P. W. D.	...	12.87	...
Lethe Bridge	Hanover	5.53	...
Copse	...	...	10.82
Cacoon Castle	...	13.84	10.66
Golden Grove	...	...	12.34
Great Valley	...	...	...
George's Plain Estate	Westmoreland	6.62	...
Fontabelle	...	8.88	11.79
Morgans Bridge, P. W. D.	...	7.68	...
King's Valley	...	8.80	11.41
Abingdon	Hanover	5.80	9.19
Means		8.44	10.70

SOUTHERN DIVISION.

		August.	
		1894 | Average.	In.
Morant Point L. H.	St. Thomas	2.54	5.62
Morant Bay P. W. D.	...	2.94	...
Lyssons	...	...	...
Easington P. W. D.	...	1.60	...
Abbey	...	0.55	9.00
Bull Bay P. W. D.	St. Andrew	0.33	...
Gordon Town	...	0.85	...
Hope Gardens	...	5.51	7.23
Hope Reservoirs	...	...	...
Cherry Garden	...	2.70	9.19
King's House	...	2.37	7.31
Cavaliers	...	...	...
Shortwood	...	2.50	...
Constant Spring	...	...	...
Monaltrie	...	3.14	5.93
Halfway-Tree P.W.D.	...	1.80	...
Camperdown	...	2.70	...
Public Works Office, Kingston	...	1.31	5.05
Plumb Point L. H.	...	0.49	4.29
Port Royal	...	0.90	...
Ferry P. W. D.	St. Andrew	1.73	...
Spanish Town P.W.D.	St. Catherine	2.30	5.75
Windsor Park	...	...	2.95
Hog Hole Pen P. W. D.	...	1.60	5.79
Old Harbour P. W. D.	...	2.46	3.77
Somerset Hall	...	...	...
May Pen P. W. D.	Clarendon	1.81	...
Hermitage	...	1.90	...
Denbigh	...	2.30	...
Manningsfield P. W. D.	...	3.78	...
Victoria Town	Manchester	1.00	...
Stone's Hope	...	2.52	6.44
Newport P. W. D.	...	3.62	...
Alligator Pond P.W.D.	...	1.82	...
Potsdam	St. Elizabeth	1.52	5.43
Long Hill	...	5.20	6.60
Pepper	...	2.10	7.06
Torrington P. W. D.	...	2.46	...
Bethlehem	...	9.41	...
Santa Cruz P. W. D.	...	12.12	...
Black River P. W. D.	...	7.04	...
Font Hill	...	5.00	...

SOUTHERN DIVISION, *contd.*

AUGUST.

	1894	Average.
Grand Vale	...	...
Peter's Ville	12.72	...
Mount Edgecombe	7.84	6.02
Sweet River	9.36	7.68
Windsor (Sav.-la-Mar)	6.16	7.04
Sav.-la-Mar P. W. D.	5.88	...
Retreat	6.03	...
Means	3.32	6.40

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	1894	Average.
	In.	In.
North Eastern Division	2.64	9.48
Northern "	1.80	5.06
West Central "	8.44	10.70
Southern "	3.32	6.40
Means	4.05	7.91

The greatest fall, viz., 15.47 in. was recorded at Kepp, and no rain fell at Llandoverly, Green Park, Kent, Greenwood, Cinnamon Hill, Running Gut and Ironshore, all in the Northern Division.

In the North Eastern and Northern Divisions the fall was not much more than one-fourth the average; in the West Central it was about three-fourths, and in the Southern about one-half the average, the result for the whole island being about one-half the average fall of rain.

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question.

It will be seen that the rainfall for the year to date is very little short of the average.

	Rainfall recorded in 1894.	Average Rainfall.
January	2.19	4.04
February	2.56	2.47
March	3.48	3.04
April	5.21	4.60
May	17.01	9.52
June	3.90	8.38
July	5.88	5.36
August	4.05	7.91
Total	44.28	45.32

Mr. J. C. Melville reports that the month at Gayle was "very dry with strong winds," and Mr. H. D. Carroll reports from Green Park, "dry weather, very severe on vegetation in all this district and worse by Duncans," while Dr. Manners reports high winds with a small rainfall at the Abbey.

A shock of earthquake was felt on the 31st August at Peter's Ville ("about 3 a.m., slight"), Fontabelle, Westmoreland ("at 2.30 a.m. slight, direction S. to N.") and at Potsdam (2.23 a.m.)

Two other slight shocks were felt on the 19th, one

at Shortwood at 1.45 a.m. and one at Ashleigh, near Gordon Town, between 1.15 and 1.20 a.m.

A lunar rainbow was reported by the *Gleaner* to have been seen in Kingston on the night of the 18th August, and it may be here noted that another was seen by the writer and others on a Sunday night some two or three months previously, of which a note was omitted to have been made at the time.

It has been reported that the rainfall given for Manningsfield P. W. D. from January, 1892, to 30th June, 1894, has been incorrect owing to the fact that a measuring glass for an 8 in. gauge was used instead of one for a 5 in. gauge, the latter being the size of the gauge in question.

There were no depressions within barometric range of Jamaica in August.

ROBT. JOHNSTONE.

25th September, 1894.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

August, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	23	18	20.27	5	New.
2	24	20	21.73	4	
3	24	21	22.18	3	
4	24	22	22.64	2	
5	Sunday				
6	Public	Holiday			
7	23	21	22.14	2	
8	25	21	22.18	4	First Q.
9	22	22	22.00	0	
10	24	21	21.64	3	
11	21	19	19.64	2	
12	Sunday				
13	22	20	20.90	2	
14	22	20	20.73	2	
15	23	19	20.18	4	
16	23	20	21.27	3	Full
17	24	21	22.45	3	
18	24	22	23.00	2	
19	Sunday				
20	25	23	24.09	2	
21	23	20	22.00	3	
22	24	20	22.82	4	
23	23	19	20.91	4	
24	25	18	20.18	7	Last Q.
25	25	17	19.55	8	
26	Sunday				
27	22	17	18.45	5	
28	21	17	18.82	4	
29	20	18	18.82	2	
30	22	20	21.00	2	
31	21	20	20.55	1	
Means	22.2	19.1	20.39	3.1	



No. 175.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

SEPTEMBER, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Sept. 1894.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
												Direction from, and miles per hour.						
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	30.009	29.973	77.2	83.9	91.3	72.5	18.8	71.1	73.0	81	70	Z	0	SSE	8	S	3	78
2	.018	29.945	78.2	85.3	89.6	74.0	15.6	70.8	72.7	78	66	N	3	SE	9	S	3	76
3	29.975	.917	79.4	86.3	90.1	73.6	16.5	71.3	74.3	76	63	Z	0	SSE	9	SSE	3	80
4	.960	.934	76.9	84.2	90.3	73.3	17.0	69.4	75.3	78	75	Z	0	S	10	S	5	117
5	30.019	.960	74.7	85.7	89.8	73.5	16.3	69.9	73.7	85	68	Z	0	S	9	S	4	88
6	.005	.936	77.6	83.4	91.3	73.4	17.9	70.5	72.9	79	66	Z	0	S	6	SSE	3	76
7	29.945	.914	75.0	85.2	91.8	72.2	19.1	69.7	63.6	84	49	Z	0	E	7	SE	4	85
8	30.025	.958	75.3	89.5	91.1	73.0	18.1	66.9	73.9	75	60	Z	0	SE	8	SE	3	77
9	.084	.960	75.4	85.7	89.9	72.2	17.7	69.6	70.1	82	60	Z	0	SE	8	SE	3	79
10	.019	.962	76.4	83.4	90.8	72.2	18.6	70.1	74.8	81	76	N	2	N	6	Var.	3	68
11	29.913	.898	76.4	84.9	89.9	73.5	16.4	64.1	72.6	78	67	N	3	SE	4	SE	3	63
12	.962	.949	75.4	82.8	90.4	73.3	18.1	68.0	69.8	78	64	Z	0	N	4	SE	4	101
13	30.023	.962	73.3	88.8	91.3	71.0	20.3	64.8	72.9	75	60	Z	0	S	8	S	4	86
14	29.978	.949	75.4	84.4	90.9	72.7	18.2	69.6	72.8	82	63	Z	0	S	6	S	3	72
15	.952	.904	75.4	89.9	90.9	72.6	18.3	68.2	74.5	78	61	N	3	S	8	S	4	85
16	.961	.891	75.8	88.6	90.7	73.8	16.9	71.7	71.9	87	58	Z	0	SE	8	S	3	72
17	.962	.925	76.3	89.2	90.6	74.1	16.4	69.7	72.6	80	58	N	2	S	5	S	3	67
18	.957	.875	79.2	87.8	90.0	74.4	15.6	71.1	72.1	76	60	N	1	S	7	S	3	71
19	.936	.869	75.0	87.9	90.3	70.6	19.7	66.8	75.0	79	66	N	1	SSE	18	SE	5	118
20	.929	.876	77.2	85.4	92.3	74.6	17.7	68.9	77.4	73	82	N	1	E	2	SSE	3	66
21	.890	.846	77.8	89.4	92.9	75.0	17.9	72.1	74.9	83	82	Z	0	SW	6	SSW	3	69
22	.847	.769	78.9	85.2	92.7	74.6	18.1	73.8	77.6	83	71	N	1	SW	5	Var.	3	76
23	.800	.828	79.2	85.0	85.8	76.7	9.1	73.0	69.5	81	60	Z	0	S	9	SSE	5	121
24	.859	.859	81.9	85.4	87.3	75.6	11.7	77.4	76.3	88	74	ESE	8	SE	10	SE	7	180
25	.912	.861	79.4	83.4	87.9	77.0	10.9	74.0	75.1	84	76	SE	6	SE	7	SE	7	160
26	.935	.913	80.2	83.0	88.0	76.4	11.6	74.5	70.4	83	86	E	7	S	7	SSE	7	169
27	.939	.911	81.6	84.0	88.9	78.7	10.2	65.9	78.1	59	62	SE	5	S	8	SSE	5	123
28	.947	.906	76.2	87.8	88.8	73.5	15.3	70.6	72.9	83	62	Z	0	S	7	S	3	84
29	.946	.938	75.4	84.7	88.5	72.2	16.3	69.4	73.8	82	70	N	3	SW	2	Var.	3	61
30	.973	.923	75.2	80.5	89.0	74.5	14.5	72.0	73.4	90	65	Z	0	Z	0	S	3	62
Means.	29.960	29.910	77.0	86.0	90.1	73.8	16.3	70.3	73.4	80	66	N	1.5	SSE	6.9	SES	3.8	91.1

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet

Sept. 1894.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	...	...	10 Str. & Nim.	Ins.	Fine a.m. Cloudy p.m.
2	10 Cir. s.	6 Cir. & Cir. s.	...	4 Cum.	0.00	Cloudy a.m. Rain in Neighbourhood about 1 p.m.
3	4 Cir. s. } 5 Cir. c. }	...	...	9 Str. c.	0.00	Fine a.m. Cloudy p.m. Thunder to N. in afternoon.
4	...	3 Cir. s.	...	5 Cum. s. & Str.	0.00	Fine.
5	8 Cir. s.	4 Cir. s.	2 Str.	2 Cum. s.	0.00	Cloudy.
6	1 Cir. s.	...	1 Cum. s.	10 Str. & Cum.	0.00	Fine a.m. Cloudy p.m. Thunder to N. 2 to 4 p.m.
7	10 Cir. s. & Cir. c. SW	...	...	Nim.	0.00	Cloudy.
8	10 Cir. & Cir. s. SSE	3 Cir. s.	...	5 Cum. s. & Str.	0.00	Fine a.m. Drizzle, 3 p.m.
9	...	...	...	5 Cum. s. & Str.	0.00	Fine.
10	...	4 Alt. s.	...	5 Cum. s. & Str.	0.00	Fine a.m. Drizzle, 2.15 p.m.
11	...	6 Alt. s.	...	3 Cum. s. & Str.	0.00	Fine a.m. Cloudy p.m.
12	...	...	...	8 Cum. s. & Str.	0.00	Fine a.m. Cloudy p.m.
13	...	2 Cir.	...	4 Cum. s. & Str.	0.00	Fine a.m. Cloudy p.m. Drizzle 3.40 to 4.15 p.m. with Thunder to N.
14	...	...	...	9 Str. & Cum. Str.	0.00	Fine a.m. Cloudy p.m.
15	...	2 Cir. s.	...	3 Cum. s.	0.00	Fine a.m. Rain to N. 6 to 6.15 p.m.
16	...	1 Cir. s.	...	8 Cum. s.	0.00	Fine.
17	...	2 Cir. s.	...	3 Cum. s.	0.00	Fine.
18	5 Cir. s.	...	...	6 Cum. s. & Str.	0.00	Fine.
19	...	...	...	1 Cum. s.	0.00	Fine.
20	...	1 Cir. s.	...	2 Str.	0.00	Fine a.m. Cloudy p.m. Drizzle at about 2.30 p.m.
21	...	...	...	6 Cum. E	0.00	Fine a.m. Thunderstorm to N & NE 11 p.m. to midnight, with light rain.
22	4 Cir. s. NE	6 Cir. s. NNE	6 Cum. & Str. NE	4 Str.	0.00	Thunder continued to N nearly morning, otherwise fair a.m. Cloudy p.m. Distant lightning SSE. 3 p.m.
23	3 Cir. c. SW	1 Cir.	3 Cum. & Str. SW	9 Str. SSE	0.45	Cloudy a.m. SSW wind from 7.15 a.m. Rain from 9 to 9.30 a.m. from SW & E. Cloudy p.m. (Cyclone to North.)
24	...	...	10 Str. & Cum. SE	10 Str. & Cum. SE	0.18	Cloudy a.m. ESE rain squall 2.45 a.m. and S.E. rain squall 5 a.m. Rain between 2 & 3 p.m.
25	...	...	1 Cum. & Cum. Nim.	10 Nim.	0.51	Squall SE 6.30 a.m. Cloudy p.m. Rain 3.30 p.m. Squally from SE till midnight and continued. (Heavy rain squall about 11 p.m.)
26	...	2 Cir. s.	10 Nim. & Str. SE	7 Cum. & Cum. ESE	0.17	Cloudy. SE rain squalls all previous night. Drizzle 12.30 p.m. and 4.30 p.m.
27	1 Cir. s.	3 Cir. s.	2 Cum. s. SE	1 Cum. s.	0.00	Fine.
28	...	...	...	1 Cum. s.	0.01	Fine a.m. Rain between 4 & 5 p.m.
29	1 Cir.	...	...	5 Cum. s.	0.00	Fine a.m. Fair p.m.
30	...	...	...	10 Cum. s. Str. & Nim. E	0.23	Fair a.m. Rain between 1 & 3 & between 3 & 5 p.m.
Means.	21 o/o	15 o/o	12 o/o	58 o/o		Fair, with cyclone to North on 23rd.
Total.					1.55	

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.							Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.							
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°			
Ling's House	400	73.1	85.9	89.7	68.5	21.2	70.1	81.9	90	85	94	9	64	12&18	80	3.41		
Castleton Gardens	580	70.7	80.6	86.1	67.8	18.3	69.2	75.2	91	85	90	14	61	19	29	9.78		
Hope Gardens	600	74.3	81.8	88.0	68.5	19.5	70.3	76.2	87	88	91	19&21	64	19	27	4.25		
Stony Hill Reformatory	1,400	72.4	78.8	85.0	68.6	16.4	68.6	72.6	84	82	86	2*	66	12†	20	7.83		
Cinchona Plantation	4,907	63.0	64.3	68.9	52.2	10.7	56.5	62.2	80	93	72	8†	55	19	17	12.09		

*also 5, 13, 16 & 21.

† also 10, 21 & 30.

‡ also 14 & 19.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	SEPTEMBER.	
	1894.	Average.
Infantile diseases not otherwise specified	10	11
Lung diseases	22	12
Fever and Malaria	9	7
Dysentery and Diarrhoea	4	2
Various	31	47
Total	76	79

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

		in.
Barometric pressure	7 a.m.	25.846
"	3 p.m.	25.332
Temperature—		
6 feet underground	7 a.m.	62.5
"	3 p.m.	62.5
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		46.3

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 10.52 in.

BLUE MOUNTAIN PEAK.—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.
June 1st	10 a.m.	70.9	42.8	54	18.20	Wet and cold, high wind from N.E.	W. H.
June 30th	11 a.m.	70.9	45.3	68	6.60	Fine and clear.	W. H.
July 31st	11 a.m.	68.9	44.8	52	6.70	Raining—cold.	W. H.
August 31st	11.15 a.m.	69.9	44.8	62	1.72	Fine but misty.	W. H.
September 23th.	10 a.m.	66.9	43.8	58	7.60	Fine a.m., showery p.m.	W. H.

NOTE.—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR SEPTEMBER, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

		SEPTEMBER.	
		1894.	Average.
		In.	In.
Hordley	St. Thomas	2.42	12.58
Manchieneal	Portland	4.74	...
Bath P. W. D.	St. Thomas	4.36	...
Mt. Ephraim	...	...	...
Boston	Portland	...	12.62
Port Antonio P. W. D.	...	3.10	9.67
Fellowship P. W. D.	...	4.25	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.	...	9.33	...
Cinchona Plantation	St. Andrew	12.09	9.79
Buff Bay P. W. D.	Portland	3.06	...
Cold Spring	St. Andrew	9.86	...
Hardware Gap	...	8.55	...
Rose Hill	...	...	...
Annotto Bay P. W. D.	St. Mary	4.72	...
Stony Hill Reformatory	St. Andrew	7.83	9.85
Belle Vue	...	...	...
Castleton Gardens	St. Mary	9.78	9.55
Lawrence's Tavern P. W. D.	St. Andrew	5.63	...
Albany, P. W. D.	St. Mary	3.79	...
Quebec	...	...	3.48
Richmond P. W. D.	...	3.94	...

NORTH-EASTERN DIVISION, contd.

		SEPTEMBER.	
		1894.	Average.
		In.	In.
Highgate P. W. D.	St. Mary	8.39	...
Gayle	...	2.90	6.05
Lucky Hill P. W. D.	...	2.93	...
Rio Hoe	St. Ann	10.25	6.61
Unity Valley	...	17.31	7.27
Moneague P. W. D.	...	12.09	...
Claremont	...	8.24	...
Albion	...	6.94	6.84
Averham Park	...	5.11	4.57
Ballintoy	...	8.90	...
Means		7.77	8.28

NORTHERN DIVISION.

		SEPTEMBER.	
		1894.	Average.
		In.	In.
Port Maria P. W. D.	St. Mary	1.15	3.68
Drax Hall	St. Ann	2.37	4.25
St. Ann's Bay P. W. D.	...	2.17	...
Seville	...	...	3.83
Richmond Estate	...	...	4.33
Llandovery	...	1.10	4.21
Southfield	...	...	...
Brown's Town P. W. D.	...	5.07	...
Home Castle	...	2.41	4.86
Richmond Pen	...	4.23	6.28
Mahogany Hall	Trelawny	...	5.95
Braco	...	3.01	3.76
Arcadia	...	4.26	4.38
Arcadia Great House	...	5.41	...
Harmony Hall	...	...	3.81
Lancaster	...	5.38	4.20
Vale Royal	...	5.48	4.66
Colchis Pen	...	8.30	4.73

NORTHERN DIVISION, contd.

		SEPTEMBER.	
		1894.	Average
		In.	In.
Hyde	Trelawny	5.52	6.38
Steelfield	...	3.62	4.34
Oxford	...	2.25	4.04
Cambridge	...	5.88	4.22
Dry Valley	...	...	...
Lottery	...	5.98	4.55
Falmouth	...	3.33	3.39
Falmouth P. W. D.	...	1.98	...
Fontabelle	...	...	...
Holland Pen	...	3.19	3.47
Pembroke	...	...	4.53
Golden Grove	...	3.35	5.19
Green Park	...	4.71	4.30
Tilston	...	5.15	5.77
Weston Favel	...	6.08	8.12
Orange Valley	...	4.00	3.78
Kent	...	3.60	4.70
Dundee	...	3.98	4.80
Phoenix	...	5.69	7.23
Gale's Valley	...	5.80	6.75
Greenwood	St. James	3.49	4.59
Canaan	...	3.88	...
Content	...	...	...
Bellfield	...	...	...
Gullsbro'	...	3.97	7.52
Tryall	...	...	...
Leogan	...	...	5.73
Cinnamon Hill	...	2.96	4.09
Rose Hall	...	2.44	5.06
Running Gut	...	4.20	4.22
Spring	...	4.10	...
Ironshore	...	3.35	4.65
Friendship	...	...	...
Providence	...	2.82	5.43
Montego Bay P. W. D.	...	1.93	...
Catherine Hall	...	3.30	6.89
Catherine Mount	...	...	6.05
Fairfield	...	...	6.62
Anchovy	...	...	8.52
Eden	...	...	6.39
Wiltshire	...	...	8.19
Round Hill	Hanover	2.40	5.54
Flint River	...	...	6.70
Tryall	...	...	...
Sandy Bay P. W. D.	...	3.29	...
Kew	...	...	8.16
Lucea P. W. D.	...	1.98	...
Thornhill, Lucea	...	...	...
Haughton Court	...	...	6.53
Orange Cove	...	3.87	7.01

CENTRAL SUB-DIVISION—

Headworks, R. C. C.	St. Catherine	4.58	6.89
Linstead P. W. D.	...	12.62	7.99
Point Hill, P.W.D.	...	14.50	...
Harker's Hall P. W. D.	...	11.98	...
Chapelton P. W. D.	Clarendon	11.48	7.65
Danks-Savoy	...	...	...
Cave Valley	St. Ann	11.47	7.68
Means	...	4.55	5.29

WEST CENTRAL DIVISION.

		SEPTEMBER.	
		1894.	Average.
		In.	In.
Farm Plantation	Manchester	8.81	8.83
Brokenhurst Plantation	...	...	10.40
Christiana P. W. D.	...	13.27	...
Kendal P. W. D.	...	9.97	...
Mandeville P. W. D.	...	9.95	10.07
Marshall's Pen	...	11.44	8.48
Ulster Spring P. W. D.	Trelawny	6.30	...
Troy	...	11.77	...
Windsor Pen	...	8.62	10.18
Balsclava P. W. D.	St. Elizabeth	17.22	...

WEST CENTRAL DIVISION, contd.

		SEPTEMBER.	
		1894.	Average
		In.	In.
Elim	St. Elizabeth	14.15	...
Appleton	...	14.37	10.92
Magotty	...	13.36	...
Spring Vale	St. James	8.01	10.49
Maroon Town	...	...	12.13
Kempshot	...	...	9.28
Kepp	St. Elizabeth	14.06	11.44
Kew Park	Westmoreland	...	10.90
Mount Carey	St. James	5.89	...
Windsor Forest	Westmoreland	...	11.41
Chester Castle	Hanover	...	9.43
Darliston P. W. D.	Westmoreland	12.70	...
Whithorn, P. W. D.	...	13.05	...
Lethe Bridge	Hanover	7.28	...
Copse	...	...	9.75
Cacoon Castle	...	5.63	9.52
Golden Grove	...	...	13.44
Great Valley	...	...	...
George's Plain Estate	Westmoreland	7.18	...
Fontabelle	...	7.74	10.83
Morgans Bridge, P. W. D.	...	8.47	...
King's Valley	...	6.90	13.90
Abingdon	Hanover	6.41	9.79
Means	...	9.27	10.40

SOUTHERN DIVISION.

		SEPTEMBER.	
		1894.	Average.
		In.	In.
Morant Point L. H., St. Thomas	...	0.87	8.49
Morant Bay P. W. D.	...	2.28	...
Lyssons	...	...	...
Easington P. W. D.	...	4.69	...
Abbey	...	...	8.34
Bull Bay P. W. D.	St. Andrew	1.95	...
Gordon Town	...	6.34	...
Hope Gardens	...	4.25	6.54
Hope Reservoirs	...	...	...
Cherry Garden	...	6.22	6.58
King's House	...	...	4.52
Cavaliers	...	...	...
Shortwood	...	6.15	...
Constant Spring	...	...	...
Monaltrie	...	3.44	5.69
Halfway-Tree P.W.D.	...	2.69	...
Camperdown	...	6.72	...
Public Works Office, Kingston	...	1.55	4.31
Plumb Point L. H.	...	0.94	3.92
Port Royal	...	0.92	...
Ferry P. W. D.	St. Andrew	4.26	...
Spanish Town P.W.D.	St. Catherine	3.59	5.21
Windsor Park	...	3.03	5.97
Hog Hole Pen P. W. D.	...	3.70	6.55
Old Harbour P. W. D.	...	4.19	6.47
Somerset Hall	...	10.60	...
May Pen P. W. D.	Clarendon	6.79	...
Hermitage	...	2.08	...
Denbigh	...	9.20	5.89
Manningsfield P. W. D.	...	4.63	...
Victoria Town	Manchester	7.60	...
Stone's Hope	...	9.39	9.06
Newport P. W. D.	...	10.70	...
Alligator Pond P.W.D.	...	3.88	...
Potsdam	St. Elizabeth	7.15	7.45
Long Hill	...	13.27	9.47
Pepper	...	9.25	7.99
Torrington P. W. D.	...	11.91	...
Bethlehem	...	9.18	...
Santa Cruz P. W. D.	...	15.38	...
Black River P. W. D.	...	8.28	5.27
Font Hill	...	...	...

SOUTHERN DIVISION, *contd.*

		SEPTEMBER.	
		1894.	Average.
Grand Vale	Westmoreland	...	...
Peter's Ville	...	12.15	...
Mount Edgecombe	...	17.48	7.98
Sweet River	...	9.44	7.80
Windsor (Sav.-la-Mar)	...	...	6.96
Sav.-la-Mar P. W. D.	...	5.12	...
Retreat	...	7.99	...
Means		6.40	6.67

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		SEPTEMBER.	
		1894.	Average.
		In.	In.
North Eastern Division		7.77	8.28
Northern	"	4.55	5.29
West Central	"	9.27	10.40
Southern	"	6.40	6.67
Means		7.00	7.66

The greatest fall, viz., 17.48 in. was recorded at Mount Edgecombe and the smallest viz. 0.87 in. was recorded at the Morant Point Light House.

In every Division of the Island the fall was a little less than the average.

In reporting the rainfall at Mount Edgecombe at 17.48 inches, Mr. Chas. B. Vickers states: "The nearest approach to this in September, since I have had a gauge was in 1884, 14.10 in. In 1883 it was 11.76 and in 1889 it was 11.29 in. recorded, but the gauge overflowed during the latter month."

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question.

It will be seen that the rainfall for the year to date is very little short of the average.

	Rainfall recorded in 1894.	Average Rainfall.
January	2.19	4.04
February	2.56	2.47
March	3.48	3.04
April	5.21	4.60
May	17.01	3.52
June	3.90	8.88
July	5.88	5.86
August	4.05	7.91
September	7.00	7.66
Total	51.28	52.98

Miss Johnson reports that a shock of earthquake was felt at 6.45 p.m. on Friday the 21st at Shortwood College, and what was probably the same earthquake was reported to have been felt at Castleton Gardens at 6.42 p.m. on the 21st.

The Superintendent of Castleton Gardens also reports that hail fell there on the 7th.

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR
Hourly readings from 6 a.m. to 6 p.m. both inclusive.

Septem- ber 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	22	20	21.27	2	
2	Sunday				
3	23	20	21.82	3	
4	22	18	20.18	4	
5	20	18	19.00	2	
6	20	16	17.27	4	First Q.
7	22	17	18.25	5	
8	20	17	17.55	3	
9	Sunday				
10	18	16	16.91	2	
11	18	17	17.45	1	
12	20	18	18.55	2	
13	20	18	18.55	2	
14	19	18	18.15	2	Full
15	20	19	19.36	1	
16	Sunday				
17	21	19	19.32	1	
18	19	17	18.45	2	
19	20	16	18.63	4	
20	21	17	18.63	4	
21	21	16	17.54	6	
22	23	15	17.91	8	Last Q.
23	Sunday				
24	20	14	15.63	6	
25	20	15	16.81	5	
26	19	17	18.00	2	
27	18	16	16.82	2	
28	18	17	17.45	1	
29	21	17	19.27	4	New.
30	Sunday				
Means	20.2	17.1	18.38	3.1	

DEPRESSIONS IN SEPTEMBER, 1894.

There was one cyclone within barometric range of Jamaica in September. It occurred in the latter half of the month, the hurricane season this year having been remarkably quiet in the West Indies before its appearance.

On the morning of the 21st there appeared in the Public News Telegrams intimation of the signs of a cyclone approaching Martinique, and about noon further information was received from the W. I. & P. Telegraph Company in the shape of a telegram from Dominica that "R. M. S. Trent arrived 6 o'clock, hove "to on edge of hurricane between Guadeloupe and "Dominica for 14 hours" and that St. Kitts had had a Southerly gale during the night which wrecked small craft with the loss of 10 lives, and that St. Thomas and St. Croix had had a strong Easterly gale. Accordingly a notice was issued at 3 p.m. stating that this cyclone would probably take the usual course and pass far to the North-East and then North of Jamaica within the next two days; keeping the barometer low here as it progressed and that there did not then seem any probability of it approaching Jamaica. At that time the barometer had dropped under the influence of the cyclone but was not yet a tenth of an inch below the

mean, and a further special notice was promised on the following day should occasion require it.

As the barometer continued to fall during the night and next morning (Saturday 22nd) and as it was reported on Saturday that the cyclone had passed Porto Rico on the Friday afternoon, a Notice which would have been issued and circulated as a "First Special Weather Telegram" was got ready stating the above and that it was not yet certain that it would pass to the N. E. of Jamaica and that there was still a chance of it reaching Jamaica. This notice was not however issued as the fall of the barometer was checked at 11 a.m. after which the barometer rose slightly. At 11 a.m. it was a little over a tenth and a half below the mean. A notice was accordingly issued at 3.15 p.m. to the usual places in Kingston giving the information immediately above and stating that the probabilities were as stated in the notice of the day before, viz., that the cyclone would pass on its track without reaching Jamaica.

Arrangements were then being made with the Post Office for the opening under the Rules for an hour on Sunday morning of all the Telegraph Offices, in order to meet any contingencies, when, at 6 p.m., it was observed that the barometer was falling again. In view of all the circumstances, and that it was Saturday evening and the offices were about to close immediately, action had to be decided on at once. A request was accordingly telephoned down that the Telegraph Offices might be kept open and, soon after, what is known under our Rules as the First Special Weather Telegram was despatched stating that the barometer had begun to fall again, and that warning was therefore issued that it was still possible the cyclone would reach Jamaica. In order to relieve the Telegraph Officials as much as possible it was arranged that failing the despatch to them before 9 p.m. of any further telegram or notice to the contrary the offices could all be closed for the rest of the night, opening again between the hours of 7.30 and 8.30 a.m. next day (Sunday.) As the rate of fall was afterwards checked no further notice was issued that night and the Telegraph Offices were allowed to be closed. The further fall of the barometer, which was not much, stopped during the night, and from about 3 a.m. the barometer began to rise a little,—it having been nearly two-tenths below the mean. Between 7 and 8 a.m. on Sunday (the 22nd) the lower cloud drift and wind were from the S.W., and at 8 a.m. another telegram was sent round the Island to this effect, and saying that the cyclone seemed North of Jamaica, and that there was no need for further apprehension. During the day the barometer continued to rise steadily, and at 6 p.m. it was only about three quarters of a tenth below the mean. At this hour therefore notices for the press were sent off giving the foregoing particulars.

At 8 p.m. a telegram was received from Santiago confirming the above, the telegram stating that "cyclone passed South here 12.30 a.m., direction W.N.W. by W." Next morning (Monday 24th) news was received from the Postmaster for Jamaica that H. M. S. "Canada" which arrived at Port Royal from the North on the 23rd met this hurricane the day before. Notices to the above effect were accordingly issued at 4 p.m. on the 24th, it being added that the barometer had continued to rise the night before till about 9 p.m., remained fairly steady during the night and risen a little more during the day, till it was then only half a tenth below the mean. It remained about the same on the 25th, and it was not until 3 p.m. on the 26th that it had reached its mean height for the time of the year.

On the 27th I received the following letter from the Observer at Santiago de Cuba, Mr. Robert Mason, who is in direct connection with the Cuba Meteorological Service, at the head of which for many years was the late well known Padre Viñes:—

"24th September, 1894. I have just time to give you a line about the hurricane just passed. It passed over Dominica at about 1 p.m. on the 20th, South of St. Thomas and Santa Cruz about 4 a.m. 21st, seems to have struck the South coast of St. Domingo some time in the night of 21st, to have passed through the island, coming out between San Nicolas Mole and Port-au-Prince about 4 p.m. on 22nd. It came past here just South of us at 12.30 yesterday morning, going about W. N.W. by W., didn't do any harm in town. I just hear that it is now blowing very hard in Havana. Thanks for your telegram, which came in well. In haste &c." To this should here be added that on the 26th was published a Public News Telegram from Cienfuegos of the 25th stating "cyclone about midday yesterday West of this place, passing between Havana and Matanzas, same afternoon reaching Florida. This morning damage in Cuba unknown, telegraph lines being interrupted in the interior." The next day (Thursday 27th) the only telegram published in the morning papers was one from Havana dated 26th that "Florida land lines interrupted since last night consequent on the cyclone." The damage done in Florida proved to be so great that no more telegrams from America or Europe were received in Jamaica till the night of Saturday the 29th, appearing in the papers of the 1st October.

While the above was being written the U. S. Pilot chart for October was received to day. The course of this storm is there tracked (after it reached Florida) as follows:—Through Florida on the 25th in almost a Northerly course from Key West, the centre reaching the Atlantic south of Jacksonville at 7 a.m., on the 26th, then pursuing a Northerly and N. N. Easterly course till it was just South of Hatteras at 7 a.m., on the 28th, afterwards passing out to the ocean on a North-easterly course. The date of its occurrence being so late in the month prevented any information of its further course being tracked on this chart and the same cause no doubt rendered the plotting of its course in the West Indies to be in dotted lines (which denotes that "there were too few observations on hand at the date of publication to represent the track with accuracy"). In fact the information we have had here from the Windward Islands and from Santiago de Cuba, as already stated above, shows that the "estimated" track in dotted lines should be altered in two or three particulars. From New York newspapers to hand it appears that the damage done all through Florida was very great, the first report estimating it at \$1,000,000, and that several cities were cut off from communication with the outer world for days.

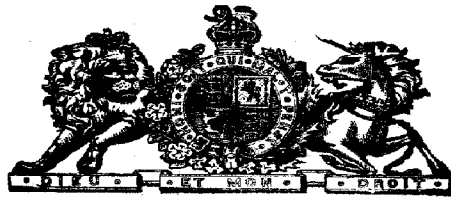
From about 7 a.m. to 10.30 a.m. on the 23rd, our surface wind was from the S. W., from 10.30 a.m. to 4 p.m. the general direction was from the South, with a rate of 9 miles per hour. From 5 p.m. to 11 p.m. it slackened off, blowing during that time about 4 or 5 miles per hour. From 11 p.m. it began to freshen up gradually from the S. E. until from about 4 a.m. to 9 a.m. on the 24th it blew at the rate of 9 miles per hour from this direction. The wind remained in the South East, blowing fresh, through the night of the 23rd, the whole of the 24th and that night, the next day and the night of the 25th; on the 26th and 27th it was from the S. S. E. It will thus be seen that during the day on Sunday the 23rd our wind was a portion of the cyclonic whirl of the hurricane to the North of us and that for more than two days afterwards we had a persistent draught or rush of air from the S. E. following the advancing cyclone. This action of a cyclone near Jamaica drawing after it the winds and clouds when the cyclone has passed, has been noticed before.

ROBT. JOHNSTONE.

16th October, 1894.

* See Weather Report No. 97.

No. 176.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

OCTOBER, 1894.

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Oct. 1894.	Pressure.		Temperature.					Dewpoint.		Humidity.		WIND.					Total miles of wind.	
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Direction from, and miles per hour.						
												7 a.m.	3 p.m.	Means for the day.				
	In.	In.	°	°	°	°	°	°	°									
1	29.992	29.836	77.3	84.7	88.3	72.5	15.8	71.5	70.7	82	63	Z	0	SE	9	SE	4	101
2	.873	.851	80.4	75.0	87.7	72.0	15.7	70.3	70.2	71	85	SE	6	E	5	SE	5	181
3	.919	.899	78.6	81.4	87.9	71.1	16.8	76.6	74.7	94	80	ESE	7	SE	9	Var.	5	125
4	.959	.909	74.3	85.2	86.7	72.0	14.7	73.1	74.3	90	70	Z	0	SSE	8	SSE	5	115
5	.933	.875	77.4	82.3	85.6	73.4	12.2	75.4	74.1	94	76	ESE	4	SE	7	SSE	5	116
6	.945	.919	79.7	85.4	86.5	74.3	12.2	74.2	74.6	83	70	SE	5	S	8	SE	5	117
7	.943	.887	75.7	87.9	88.7	73.2	15.5	70.4	72.3	84	60	Z	0	SE	11	SSE	5	110
8	.966	.891	76.2	85.4	88.2	72.2	16.0	68.0	71.9	76	64	N	2	SE	8	SSW	4	103
9	.929	.872	76.9	86.4	87.2	72.4	14.8	68.6	71.9	76	64	N	2	SE	7	SE	4	108
10	.961	.931	76.5	83.4	86.3	73.0	13.8	70.9	71.8	86	68	Z	0	SE	10	SE	4	96
11	80.034	.926	71.8	81.9	86.3	71.0	15.3	71.1	75.3	98	81	Z	0	Z	0	Var.	2	45
12	29.914	.861	73.6	82.4	85.7	70.0	15.7	66.7	71.4	79	69	Z	0	S	5	Var.	2	69
13	.899	.893	73.2	84.0	86.9	70.6	16.3	68.7	71.7	86	67	N	3	SSE	7	SSE	4	87
14	.869	.872	73.2	84.4	86.8	71.4	15.4	68.9	74.5	86	72	Z	0	SE	5	S	3	61
15	.927	.868	73.3	84.4	85.7	71.0	14.7	70.4	75.3	91	74	Z	0	S	2	S	2	47
16	.869	.801	74.2	88.2	85.7	71.4	14.3	71.3	71.9	92	69	Z	0	S	5	S	3	83
17	.826	.783	77.6	77.9	84.7	73.8	10.9	75.6	76.2	94	95	N	2	SSE	5	S	3	49
18	.829	.825	77.6	76.2	79.5	73.7	5.8	75.9	76.2	94	97	SE	7	SE	7	Var.	5	113
19	.881	.856	77.6	80.4	82.3	73.6	8.7	76.9	76.7	98	89	NE	2	SE	5	Var.	2	48
20	.912	.867	73.7	86.0	86.5	71.2	15.3	72.9	74.1	97	68	Z	0	SW	5	SW	2	41
21	.900	.847	73.9	86.2	86.5	71.8	14.7	72.7	77.0	96	74	Z	0	SE	4	S	2	39
22	.898	.888	73.4	84.5	86.9	71.2	15.7	69.6	71.4	88	65	Z	0	S	5	SSW	2	49
23	.883	.829	73.2	82.4	87.9	71.6	16.3	70.1	73.6	90	75	N	4	SSE	7	Var.	3	61
24	.876	.811	71.6	85.3	86.7	70.4	16.3	68.9	69.0	91	58	N	3	SW	4	SW	3	67
25	.897	.861	68.7	79.2	86.4	67.0	12.4	66.0	71.8	91	78	Z	0	N	5	Var.	3	64
26	.977	.945	69.5	84.7	87.3	68.0	19.3	64.4	63.5	84	58	N	2	S	4	Var.	3	68
27	80.009	.958	69.4	85.1	87.3	69.0	19.3	64.8	73.9	85	69	N	3	SE	7	S	3	76
28	29.984	.924	73.4	83.0	87.3	68.0	19.3	69.9	71.3	89	68	N	3	SSE	6	SSE	3	73
29	.978	.915	73.4	83.9	87.5	72.6	14.9	72.7	71.3	94	67	Z	0	SE	9	SE	3	80
30	30.000	.936	73.4	83.9	83.5	72.3	16.2	67.3	72.3	81	69	N	3	SE	7	SE	3	81
31	29.981	.927	74.2	85.7	80.3	71.4	18.9	69.7	73.7	86	68	N	3	NW	2	Var.	3	69
Means.	29.926	29.875	74.6	83.2	86.7	71.5	15.2	70.8	73.0	88	72	N	2.0	SSE	6.1	S by E	3.4	80.5

KINGSTON:—METEOROLOGICAL RESULTS.

Elevation above Sea-level 50 feet.

Oct. 1894.	Upper Cloud. (in tenths of the sky).		Lower Cloud. (in tenths of the sky.)		Rainfall.	Weather: Remarks, &c.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
1	...	2 Cir. s.	4 Cum. s.	E 6 Cum. s.	Ins.	Fine a.m. Rain at about 11 p.m.
2	...	...	4 Cum. SE	10 Str. & Cum. Nim.	1.50	S.E. Wind from 5 a.m. Rain between 11 a.m. and 3 p.m., and from 11 p.m. to midnight. Cloudy.
3	...	4 Alt. s.	10 Nim. SE	6 Cum. s. & Str. ESE	2.15	Squally from SE all previous night, rain continued from midnight to 7 a.m., and again about 10.30 to 10.45 a.m., and from 4 to 6 p.m.
4	...	1 Cir. c.	2 Cum.	...	0.00	Fair a.m. Fine p.m.
5	...	...	10 Str. & Cum. Nim.	10 Cum. s.	1.31	Squally at 6 a.m. and at 9 a.m. with heavy rain. Cloudy.
6	...	...	...	8 Cum. s.	0.00	Squally at about 8 a.m. from S.E. Fine p.m.
7	...	...	...	8 Cum. s.	0.00	Fine.
8	...	...	...	...	0.00	Fine.
9	...	6 Cir. s.	...	...	0.00	Fine a.m. Easterly squall 8 p.m. Rain in neighbourhood.
10	2 Cir. s.	8 Cir. c. & Cir.	...	...	0.48	Rain 8 to 8.30 a.m. S.E. Squalls 4 p.m. Light rain 4 to 6 p.m. and from 10 p.m. till midnight. Cloudy.
11	...	...	10 Nim.	10 Str. & Cum.	0.58	Rain between midnight and 9 a.m. Cloudy p.m.
12	...	10 Cir. c. & Cir. s.	10 Str. & Cum. Nim.	...	0.32	E SE Squall 1.30 a.m. Thunderstorm with rain 2 to 4 a.m. Cloudy p.m.
13	7 Cir. s.	5 Cir. s.	...	4 Cum. Nim.	0.00	Fine a.m. Cloudy p.m.
14	...	6 Alt. s.	...	4 Str. & Cum. Nim. E	0.07	Fine a.m. Rain at about 4 p.m. Cloudy p.m.
15	6 Cir.	...	...	10 Cum. & Cum. Nim.	0.16	Rain 11.30 a.m. Cloudy p.m.
16	8 Cir. s. NW	8 Cir. s. NW	2 Cum.	2 Cum. s. SE	0.00	Cloudy a.m. Rain Squalls to 8. at about 2 p.m.
17	7 Cir. s.	...	8 Str. & Cum.	10 Nim. & Cum. Nim.	0.55	Rain from 3 to 6 a.m., 11 a.m., 12.30 p.m., 1 p.m. and at 2.45 p.m. Cloudy.
18	...	...	10 Nim. S	10 Nim. SW	2.55	Rain at 5 a.m. and continued all day to 4 p.m. Light rain 6 and 9.30 p.m.
19	...	...	2 Cum. Nim. } S 8 Str.	7 Str. c.	2.70	Heavy rain 1 a.m. and 2 a.m., with thunderstorm Rain continued till 11 a.m. Clearing up at noon Cloudy p.m.
20	...	...	2 Cum. s.	3 Cum. s.	0.00	Fine.
21	...	1 Cir. s. SW	...	...	0.00	Fine.
22	...	3 Cir. s.	...	1 Str.	0.00	Fine a.m. Rain to NW about 5 p.m.
23	...	...	...	5 Str. SE 5 Cum. Nim. SW	0.35	Fine a.m. Rain 3.30 to 5 p.m., from NW.
24	...	...	...	...	0.00	Fine.
25	...	...	...	10 Nim. & Cum. Nim.	0.00	Fine a.m. Rain to N 2.30 to 4 p.m.
26	...	...	...	8 Cum. s.	0.00	Fine.
27	...	1 Cir. c.	...	...	0.00	Fine.
28	8 Cir. s.	...	2 Str.	8 Cum.	0.00	Cloudy.
29	4 Cir. s.	5 Cir. s.	6 Str. & Cum. Nim.	8 Str.	0.05	Cloudy a.m. Rain 6 a.m. SE Squall 10.30 a.m. Cloudy p.m.
30	4 Cir. s.	9 Cir. s.	6 Cum. s.	1 Str.	0.00	Fair.
31	8 Cir.	...	...	10 Str. E	0.00	Fine a.m. Fair p.m.
Means.	17 o/o	22 o/o	29 o/o	45 o/o		
Total.					12.78	"Seasons"

RESULTS AT OTHER STATIONS.

STATION.	ELEVATION	MEANS FOR THE MONTH.									EXTREMES FOR THE MONTH.							Total Rainfall.
		Temperature.					Dewpoint.		Humidity.		Temperature.							
		7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Date.	Min.	Date.	Range.			
		°	°	°	°	°	°	°	°	°	°	°	°	°	°			
King's House	400	71.7	83.5	87.1	67.6	19.5	69.6	80.0	93	87	94	27	62	25	32	12.90		
Castleton Gardens	580	69.0	79.2	83.9	67.2	16.7	68.1	73.2	96	82	86	4*	63	25†	24	16.41		
Hope Gardens	600	75.2	81.5	85.9	67.3	18.6	67.1	73.4	76	74	91	31	63	26	28	10.11		
Stony Hill Reformatory	1,400	71.9	78.1	82.6	67.2	15.4	67.6	69.8	36	76	85	8 & 31	65	24†	20	12.73		
Cinchona Plantation	4,907	60.3	63.9	67.5	56.8	10.7	57.2	61.6	89	93	72	31	54	25‡	18	22.56		

* and 7 other days.

† also 26 & 27.

‡ also 25, 26 & 27.

§ also 26 & 27.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the Month for the ten years 1881-1890:—

	OCTOBER.	
	1894.	Average.
Infantile diseases not otherwise specified ...	9	13
Lung diseases ...	13	14
Fever and Malaria ...	6	7
Dysentery and Diarrhoea ...	3	4
Various ...	40	54
Total	71	92

Of the Various 1 was due to Influenza and 1 to Whooping Cough.

CINCHONA PLANTATION.

The following are means for the month in addition to those published above:—

Barometric pressure	7 a.m.	25.281
"	3 p.m.	25.262
Temperature—		
6 feet underground	7 a.m.	61.9
"	3 p.m.	61.9
Direction of the wind	...	Easterly
Velocity of the wind in miles per day		88.0

The maximum and minimum temperatures for the month at Newhaven Gap were respectively and the rainfall was 22.56 in.

BLUE MOUNTAIN PEAK:—ELEVATION 7,406 FEET.

DAY.	HOUR.	TEMPERATURE.		Temp.	Rain.	Remarks.	Observer's Initial.
		Max.	Min.				
1894.		°	°	°	in.		
January 31st	11.30 a.m.	68.9	41.3	56	9.45	Raining steadily	W. H.
February 28th	10.45 a.m.	65.9	42.3	52	16.30	Heavy clouds and light rain.	W. H.
April 1st	11.30 a.m.	66.9	40.3	56	9.75	Light rain, heavy clouds.	W. H.
April 30th	10.15 a.m.	68.9	...	58	9.10	Fine a.m., showery p.m.	W. H.
June 1st	10 a.m.	70.9	42.8	54	18.20	Wet and cold, high wind from N.E.	W. H.
June 30th	11 a.m.	70.9	45.3	68	6.60	Fine and clear.	W. H.
July 31st	11 a.m.	68.9	44.8	52	6.70	Raining—cold.	W. H.
August 31st	11.15 a.m.	69.9	44.8	62	1.72	Fine but misty.	W. H.
September 29th.	10 a.m.	66.9	43.8	58	7.60	Fine a.m., showery p.m.	W. H.
October 31st	12.30 p.m.	61.9	45.8	56	18.35	Fine but misty.	W. H.

NOTE—The Barometric pressure is the reading of the Barometer corrected for instrumental error, and reduced to 32°, that of Kingston being further reduced to Sea-level. The Thermometers are similarly exposed in Stevenson's screens at all the above Stations; their readings have all been corrected.

RAINFALL FOR OCTOBER, 1894.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in January, 1892, as No. 124 (A) of the present series of Reports. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EASTERN DIVISION.

OCTOBER.
1894. | Average.

		In.	In.
Hordley	St. Thomas	14.13	14.95
Manchioneal	Portland	34.27	...
Bath P. W. D.	St. Thomas	18.68	...
Mt. Ephraim	...	...	...
Boston	Portland	...	13.56
Port Antonio P. W. D.	...	18.93	13.39
Fellowship P. W. D.	...	16.97	...
Serge Island	St. Thomas	...	...
Coley Estate	...	...	...
Cedar Valley P. W. D.*	...	35.23	...
Cinchona Plantation	St. Andrew	22.56	17.38
Buff Bay P. W. D.	Portland	8.95	...
Cold Spring	St. Andrew	17.27	...
Hardware Gap	...	17.00	...
Rose Hill	...	...	...
Annotto Bay P. W. D.	St. Mary	10.83	...
Stony Hill Reformatory	St. Andrew	12.78	13.30
Belle Vue	...	...	...
Castleton Gardens	St. Mary	16.41	13.71
Lawrence's Tavern P. W. D.	St. Andrew	6.88	...
Albany, P. W. D.	St. Mary	7.89	...
Quebec	...	...	8.85

* Gauge overflowed.

NORTH-EASTERN DIVISION, contd.

OCTOBER.
1894. | Average.

		In.	In.
Richmond P. W. D.	...	14.90	...
Highgate P. W. D.	St. Mary	10.03	...
Gayle	...	10.70	11.11
Gayle P. W. D.	...	8.11	...
Rio Hoe	St. Ann	10.08	10.29
Unity Valley	...	20.82	8.39
Moneague P. W. D.	...	17.55	...
Claremont	...	8.62	...
Albion	...	8.18	8.14
Averham Park	...	7.66	5.69
Ballintoy	...	8.22	...
Means		14.22	11.64

NORTHERN DIVISION.

OCTOBER.
1894. | Average.

		In.	In.
Port Maria P. W. D.	St. Mary	6.02	7.74
Drax Hall	St. Ann	6.13	7.00
St. Ann's Bay P. W. D.	...	6.29	...
Seville	...	...	6.09
Richmond Estate	...	10.45	8.14
Llandoverly	...	7.85	7.53
Southfield	...	...	...
Brown's Town P. W. D.	...	8.18	...
Home Castle	...	5.56	6.13
Richmond Pen	...	9.55	6.61
Mahogany Hall	Trelawny	...	6.26
Braco	...	3.66	4.95
Arcadia	...	5.07	5.55
Arcadia Great House	...	4.25	...
Harmony Hall	...	...	4.62
Lancaster	...	4.60	5.60
Vale Royal	...	6.71	6.08
Colchis Pen	...	13.00	6.14

NORTHERN DIVISION *contd.*

		OCTOBER.	
		1894.	Average.
		In.	In.
Hyde	Trelawny	6.21	7.16
Steelfield	...	4.63	5.94
Oxford	...	7.90	6.93
Cambridge	...	7.16	5.84
Dry Valley	...	...	...
Lottery	...	8.78	5.92
Falmouth	...	9.55	5.55
Falmouth P. W. D.	...	8.37	...
Fontabelle	...	9.20	...
Holland Pen	...	8.92	4.44
Pembroke	...	...	5.22
Golden Grove	...	10.25	6.06
Green Park	...	12.57	5.09
Tilston	...	11.55	6.28
Weston Favel	...	13.05	6.63
Orange Valley	...	12.02	5.15
Kent	...	10.35	5.57
Dundee	...	10.32	5.46
Phoenix	...	12.22	8.51
Gale's Valley	...	14.00	5.88
Greenwood	St. James	7.78	4.65
Canaan	...	5.55	...
Content	...	...	...
Bellfield	...	...	...
Guilsbro'	...	8.05	6.51
Tryall	...	...	...
Leogan	...	...	7.21
Cinnamon Hill	...	9.09	3.69
Rose Hall	...	7.88	4.17
Running Gut	...	10.00	4.77
Spring	...	8.95	...
Ironshore	...	8.10	4.85
Friendship	...	...	...
Providence	...	7.87	4.88
Montego Bay P. W. D.	...	9.39	...
Catherine Hall	...	13.25	6.76
Catherine Mount	...	...	6.65
Fairfield	...	...	6.10
Anchovy	...	...	6.99
Eden	...	...	6.96
Wiltshire	...	...	7.13
Round Hill	Hanover	7.35	5.14
Flint River	...	...	...
Tryall	...	...	6.67
Sandy Bay P. W. D.	...	6.81	...
Kew	...	...	7.91
Lucea P. W. D.	...	5.61	7.73
Thornhill, Lucea	...	...	...
Haughton Court	...	...	5.54
Orange Cove	...	...	7.69
CENTRAL SUB-DIVISION—			
Headworks, R. C. C.	St. Catherine	12.72	9.09
Linstead P. W. D.	...	23.38	8.80
Point Hill, P.W.D.	...	19.54	...
Harker's Hall P. W. D.	...	13.63	...
Chapelton P. W. D.	Clarendon	18.00	11.68
Danks-Savoy *	...	16.28	...
Cave Valley	St. Ann	8.51	9.45
Means		9.42	6.84

WEST CENTRAL DIVISION.

		OCTOBER.	
		1894.	Average.
		In.	In.
Farm Plantation	Manchester	25.70	13.84
Brokenhurst Plantation	...	...	10.60
Christiana P. W. D.	...	8.88	...
Kendal P. W. D.	...	17.70	...
Mandeville P. W. D.	...	20.29	17.19
Marshall's Pen	...	16.93	12.89
Ulster Spring P. W. D.	Trelawny	9.06	...
Troy	...	12.66	...
Windsor Pen	...	10.08	7.03

* Gauge overflowed on 17th.

WEST CENTRAL DIVISION, *contd.*

		OCTOBER.	
		1894.	Average.
		In.	In.
Balaclava P. W. D.	St. Elizabeth	11.59	...
Elim	...	18.60	...
Appleton	...	11.80	11.51
Magotty	...	11.12	...
Spring Vale	St. James	13.87	8.81
Maroon Town	...	...	11.02
Kempshot	...	...	6.86
Ginger Hill P.W.D.	St. Elizabeth	...	...
Kepp	...	13.13	10.76
Kew Park	Westmoreland	...	9.54
Mount Carey	St. James	8.37	...
Windsor Forest	Westmoreland	...	12.49
Chester Castle	Hanover	...	8.05
Darliston P. W. D.	Westmoreland	11.28	...
Whithorn, P. W. D.	...	7.75	...
Lethe Bridge	Hanover	12.77	...
Copse	...	...	8.96
Cacaoon Castle	...	...	7.83
Golden Grove	...	...	9.45
Great Valley	...	11.44	...
Brownsville	...	11.35	...
George's Plain Estate	Westmoreland	10.99	...
Fontabelle	...	10.37	9.81
Morgans Bridge, P. W. D.	...	12.70	...
King's Valley	...	15.10	11.56
Abingdon	Hanover	11.60	7.23
Means		14.89	11.06

SOUTHERN DIVISION.

		OCTOBER.	
		1894.	Average.
		In.	In.
Morant Point L. H., St. Thomas	...	13.21	10.44
Morant Bay P. W. D.	...	15.98	...
Lyssons	...	...	...
Easington P. W. D.	...	20.34	...
Abbey	...	21.25	11.89
Bull Bay P. W. D.	St. Andrew	11.52	...
Gordon Town	...	15.27	...
Hope Gardens	...	10.11	8.45
Hope Reservoirs	...	...	...
Cherry Garden	...	11.63	9.16
King's House	...	14.20	8.54
Cavaliers	...	...	...
Shortwood	...	...	...
Constant Spring	...	...	...
Monaltrie	...	18.19	8.56
Halfway-Tree P.W.D.	...	12.53	...
Camperdown	...	12.41	...
Public Works Office, Kingston	...	12.78	7.48
Plumb Point L. H.	...	11.53	7.48
Port Royal	...	12.18	...
Ferry P. W. D.	St. Andrew	14.15	...
Spanish Town P.W.D.	St. Catherine	10.19	7.72
Windsor Park	...	...	6.39
Hog Hole Pen P. W. D.	...	11.66	7.85
Old Harbour P. W. D.	...	13.98	9.72
Somerset Hall	...	15.19	...
May Pen P. W. D.	Clarendon	19.24	...
Hermitage	...	18.01	...
Denbigh	...	22.00	8.83
Manningsfield P. W. D.	...	16.24	...
Victoria Town	Manchester	16.86	...
Stone's Hope	...	21.44	10.89
Newport P. W. D.	...	21.25	...
Alligator Pond P.W.D.	...	12.93	...
Potsdam	St. Elizabeth	5.64	8.77
Long Hill	...	11.55	10.43
Pepper	...	14.20	11.16
Torrington P. W. D.	...	...	...
Bethlehem	...	10.39	...
Santa Cruz P. W. D.	...	9.57	...

SOUTHERN DIVISION, *contd.*

		OCTOBER.	
		1894.	Average.
Black River P. W. D.	...	6.19	8.69
Font Hill	...	...	...
Grand Vale	Westmoreland	...	...
Peter's Ville	...	9.28	...
Mount Edgecombe	...	7.82	9.48
Sweet River	...	8.01	8.57
Windsor (Sav.-la-Mar)	...	7.94	7.70
Sav.-la-Mar P. W. D.	...	5.53	...
Retreat	...	8.83	...
Means		12.67	9.09

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

		OCTOBER.	
		1894.	Average.
		In.	In.
North Eastern Division		14.22	11.64
Northern	"	9.42	6.34
West Central	"	14.89	11.06
Southern	"	12.67	9.09
Means		12.80	9.53

The greatest fall, viz., 36.23in. was recorded at Cedar Valley P. W. D. and the smallest, viz., 3.66in. was recorded at Braco.

The October "Seasons" have been general, with the result that the means for the Island show a fall one-third in excess of the average, and the result is nearly the same in each of the four Divisions.

The following are the largest comparative excesses. Unity Valley, Gale's Valley, Cinnamon Hill, Linstead, and Denbigh had falls considerably over twice the average. Colchis Pen, Holland Pen, Green Park, and the five stations following in the Northern Division, Gale's Valley, Rose Hall, Running Gut, Ironshore, Providence, Catherine Hall, Farm Plantation, Monaltrie and Stone's Hope had falls of about twice the average. On the other hand the following stations had falls less than their average. Hordley, Stony Hill, Gayle, Rio Hoo (although, as already stated, Unity Valley, the next station, had between two or three times its average) Port Maria, three stations in St. Ann, five stations in Trelawny, Lucea, two in St. Elizabeth, and two in Westmoreland. One of the deficient stations in St. Elizabeth, Potsdam, stands curiously isolated with only five and a half inches of rain, while Bethlehem, about 4 miles distant, the other station on the range of the Santa Cruz Mountains, had over ten, and at the sea level on either side of the mountain there were also falls of about ten inches.

Mr. Henry J. Whiting writes as follows from Spring Vale, St. James: "High winds during night of 17th October and very heavy rain on Thursday morning 18th, 2.43 inches in one hour and 40 minutes. On Friday and Saturday 19th and 20th October over 200 acres of land were covered with water. On Tuesday 30th 2.20 inches of rain fell in 1½ hours."

Mr. F. H. Farguherson reports that at Elim Estate, St. Elizabeth, "on Thursday 18th rainfall 6.46, terrible breeze from South which destroyed several trees" and Mr. Nosworthy reports that on the 18th 6.50 inches fell at Farm Plantation.

Dr. Mannors reports from the Abbey, "Wind high on 12th. On 29th wind high from about 4.45 a.m. and continued with showers to 30th, cleared up about noon."

Under date the 19th October, Mr. R. Craig reports from Chapelton (Danks—Savoy Estate) the following: "We had, early yesterday morning, and during the previous night one of the sharpest rainfalls I have seen in 20 years. The rivers have been impassable so we

have heard nothing about damage beyond this, but it must be considerable to roads, coffee, &c. For myself one of my best cane pieces has been partially washed out—with several acres of my best canes—and there are lots of smaller pieces destroyed. We do not know the rainfall accurately as the gauge overflowed several times but we have had over 15 inches this month and over 30 since the 1st August." The cane piece in question was on the river bank where the river curved, and the land to a depth of ten feet all along the river bank was carried away.

The Revd. W. D. Pearman reports that "a slight shock of earthquake was felt at Potsdam at 2.7 a.m. on Thursday the 25th October."

With reference to the fall at Cedar Valley P.W.D. (36.23) which, as already pointed out, was the greatest fall recorded, it is to be noted that the Superintendent of Public Works reports that "owing to removal of Officer in charge (this) gauge at the early part of month could not be taken for 6 days when it had overflowed."

Below will be found a statement of the Rainfall recorded during this year compared with the average fall during the months in question.

It will be seen that the rainfall for the year to date is now an inch and a half above the average.

		Rainfall recorded in 1894.	Average Rainfall.
January	...	2.19	4.04
February	...	2.56	2.47
March	...	3.48	3.04
April	...	5.21	4.60
May	...	17.01	9.52
June	...	3.90	8.88
July	...	5.88	5.36
August	...	4.05	7.91
September	...	7.00	7.66
October	...	12.80	9.53
Total	...	64.08	62.51

BAROMETRIC DEPRESSIONS IN OCTOBER, 1894.

At noon on Saturday the 13th October the following notice was issued throughout the city, certain portions of the notice being also telegraphed round the island in the same way that the daily news telegrams are sent round. "The following information was received from Santiago de Cuba last night—

At Barbados at 7 a.m. that morning (Friday the 12th) the barometer was 29.88, the wind East and the weather cloudy; at 3 p.m. the barometer was 29.74, the wind SE, with heavy rain and "a gale." At Santiago the 7 a.m. reading of the barometer was 29.96 and the 3 p.m. 29.85. The Kingston similar readings were 29.91 and 29.86. This, coupled with the public news telegram that the barometer was falling at all Islands north of Trinidad would seem to indicate that the cyclone, the centre of which yesterday afternoon was S.W., or W. of Barbados, was taking a North-Westerly course, which would take it clear of Jamaica, passing us far to the North-East. This was the course of the "great Barbados hurricane" of 10th October, 1780, the centre of which afterwards passed over St. Lucia and then Mona, between San Domingo and Porto Rico, affecting in its way most of the other islands to the North of St. Lucia, and doing immense damage both on sea (to many ships of the Royal Navy) and on land. Another cyclone which visited Barbados in October in 1831 also passed to the North-East of Jamaica, going over both Hayti and Cuba.

On the other hand two other October cyclones on record, the centres of which passed South of Barbados, (in the one case between Trinidad and Barbados, and in the other over Trinidad) pursued an almost Westerly

course until after they had passed far to the South of Jamaica, when they took a North-Westerly course after nearing the coast of Central America. The present cyclone will probably pass us to the North-East or South, as the case may be, (or as a third possibility pass over us) on Monday, probably Monday night, the chances at present being in favour of its passing clear of us to the North-East. In any case our barometer will probably continue to fall for the next two days."

A notice was issued at 7 p.m. on Sunday (the 14th) stating that the barometer fell, although not very much, till about 7 a.m. that morning, the fall then being about a tenth of an inch below the mean for the time of the year (the mean for October being the lowest in the year) and that since 7 a.m. the barometer had risen more than half a tenth, so that it was evident that on Sunday the cyclone had not been (directly) approaching Jamaica. No further information was obtainable, however, from any of the other Islands during the Saturday or Sunday.

On Monday the 15th further news was received from the W. I. & P. Telegraph Company's Office, after which the following notice was issued at 3 p.m.

"In the Weather Notice of noon of Saturday (the 13th) it was stated that the (scanty) information then to hand 'would seem to indicate that the cyclone, the centre of which yesterday afternoon was S.W. or W. of Barbados was taking a North Westerly course, which would take it clear of Jamaica, passing us far to the North-East.' Definite information has at last been received of its further course in the news received at 1 p.m. to-day from the W. I. & P. Telegraph Company of damage done by the cyclone at St. Lucia and of its passing to the South of St. Thomas, giving the latter island a strong gale. From this it appears evident that the course actually taken was the one indicated on Saturday as being the most probable, and the cyclone has passed (or is passing) far to the North-East. The barometer here to-day has remained steady at about the same height as yesterday evening. It may be noted that the absence of any further information from any of the islands on Saturday, or yesterday, which was awaited at the W. I. & P. Telegraph Company's Office up to 7 p.m. yesterday, prevented it being definitely stated last night what course the cyclone had followed, the indications here alone being not sufficient."

The track of this cyclone seems, therefore, to have been very similar to that of the October 1780 "great hurricane," both recurring without having got so far to the Westward as usual. Capt. Sanson of the Atlas S.S. "Adirondack" reports that on Tuesday the 16th he concluded that a cyclone had passed to the East on the re-curve but that he was well out of it. He was then on his way from New York to Jamaica, leaving the former place on Saturday the 13th and arriving here on the morning of the 19th October.*

During nearly the whole of the 13th, 14th, 15th, 16th, 17th and 18th October readings of the barometer were taken every two hours. On the 16th and 17th the barometer was low again, the lowest point being reached at 11 p.m. on the 17th when it was 29.815 or 29.790 when further corrected for Diurnal Variation. There was no uniform gradient observable, however, and the barometer rose and fell slightly during these two days, e.g., the readings (corrected for diurnal variation) were

* This is well shown on the Pilot Chart for November, received since the above was sent to press, where the centre of this cyclone is shown to have passed East of Bermuda, after passing over the West end of Porto Rico. On this Chart there are also shown two other cyclones in October, one starting on the 5th from about the West end of Cuba and recurring in the Gulf of Mexico and another estimated to have been about 300 miles North of San Domingo on the 23rd, and travelling then almost due North. A corrected track of the September cyclone is also plotted and its course continued across the Atlantic till the 4th October.

R. J. 24.11.94.

as follows for the hours named. 16th: 7 a.m., 29.854; 11 a.m., .865; 3 p.m., .847; 11 p.m., .836; 17th, 7 a.m., .811; 11 a.m., .820; 3 p.m., .829; 7 p.m., .827; 11 p.m., .790. 18th: 7 a.m., .821; 11 a.m., .836; 3 p.m., .871.

On the 17th there was some apprehension on the part both of intending passengers by the Atlas Steamer leaving the following morning for New York and of persons fearing the passage of a cyclone over the Island, which apprehension I was happily able to dispel. The only effect of the low barometer above referred to was, as has been the case on previous occasions, to give us heavy "seasons" with local squalls of wind. On the 17th in Kingston there was a Southerly lower cloud-drift all day. On the 18th from 1 to 3 p.m. this direction was changed to S.W., but between 5 and 6 p.m. the lower cloud-drift was again from the S.; between 7 and 8 a.m. on the 18th there was also a squall of surface-wind from the South with heavy rain. At 7 a.m. on the 19th the lower cloud-drift was S.E. The rainfall in Kingston for the three days was as follows:—17th, 0.55; 18th, to 4 p.m. 2.05, from 4 to midnight (estimated) 0.50; 19th, to 7 a.m., 1.57; to 4 p.m. 1.12. Total Fall, 5.80 inches

REGISTRATION OF THE SEA-LEVEL IN KINGSTON HARBOUR

Hourly readings from 6 a.m. to 6 p.m. both inclusive.

October, 1894.	Highest Water in period 6 a.m. to 6 p.m.	Lowest Water in period 6 a.m. to 6 p.m.	Mean Sea-level.	Tide.	Phase of Moon.
	In.	In.	In.	In.	
1	21	16	19.63	5	First Q
2	23	15	19.91	8	
3	21	15	18.27	6	
4	21	14	18.00	7	
5	20	15	17.27	5	
6	20	16	17.36	4	
7	Sunday				
8	19	16	16.73	3	Full
9	19	16	17.00	3	
10	18	17	17.20	1	
11	19	17	17.73	2	
12	20	18	19.18	2	
13	21	18	19.91	3	
14	Sunday				
15	23	19	22.00	4	Last Q.
16	24	18	21.43	6	
17	26	18	23.64	8	
18	25	19	23.10	6	
19	24	17	21.00	7	
20	23	17	19.82	6	
21	Sunday				
22	24	18	20.00	6	New.
23	21	19	19.73	2	
24	22	20	20.45	2	
25	21	18	19.88	3	
26	21	19	19.91	2	
27	20	17	18.64	3	
28	Sunday				
29	21	16	19.70	5	New.
30	20	15	18.64	5	
31	20	15	18.73	5	
Means	21.4	17.0	19.50	4.4	

ROBT. JOHNSTONE.

Kingston, 17th October, 1894.

